Environment Canada Environnement Canada

Historical Water Levels Summary

Atlantic Provinces

Sommaire chronologique des niveaux d'eau

Provinces de l'Atlantique

TO/JUSQU'À **1990**

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1992

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Dartmouth, Nova Scotia.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Dartmouth (Nouvelle-Écosse).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents a summary of monthly and annual mean water levels and annual extremes of water levels for lakes and rivers in Newfoundland and Labrador, New Brunswick and Nova Scotia for which water level data to 1990 inclusive have been collected by the Water Survey of Canada. This edition supersedes all previous editions.

A program for the collection and publication of Surface Water Data has been carried on across Canada for over 75 years. The results of these hydrometric survey investigations have been published annually.

Water level data are available on punched cards or magnetic tape for computer processing. These data and details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
5th Floor, Queens Square,
45 Alderney Drive,
Dartmouth, Nova Scotia.
B2Y 2N6
(902 426-5776)

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-2098).

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INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente un sommaire des moyennes mensuelles et annuelles des niveaux d'eau et des extrêmes annuels de lacs et de cours d'eau de Terre-Neuve, du Labrador, du Nouveau-Brunswick et de la Nouvelle-Écosse, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1990 inclusivement. La présente publication annule toutes les éditions antérieures.

La cueillette et la publication de données sur les eaux de surface sont en oeuvre depuis plus de 75 années au Canada. Les données obtenues à partir des relevés hydrométriques sont publiées annuellement.

On peut se procurer les données sur les niveaux d'eau sous forme de cartes perforées ou de rubans magnétiques pour traitement sur ordinateur. En s'adressant aux endroits ci-après, on peut obtenir ces données, des renseignements supplémentaires sur certaines stations particulières et divers relevés ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Édifice Queens Square, 5e étage
45, prom. Alderney
Dartmouth (Nouvelle-Écosse)
B2Y 2N6
(902 426-5776)

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-2098).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

Hydrometric surveys in Newfoundland and Labrador, New Brunswick, Nova Scotia and Prince Edward Island were conducted by the Water Survey of Canada under individual co-operative arrangements with each provincial government or its agency. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

In Nova Scotia, from 1915 to 1919, hydrometric investigations were conducted by the Dominion Water Power Branch in co-operation with the Nova Scotia Water Power Commission. A similar co-operative arrangement was made in 1918 with the Province of New Brunswick. On May 1, 1919, new agreements were made between the Government of Canada and the Provinces of New Brunswick and Nova Scotia and an initial agreement made with the Province of Prince Edward Island whereby the Dominion Water Power Branch, which later became the Dominion Water and Power Bureau, assumed responsibility for basic water resources investigations in the three provinces. Although these arrangements were terminated on March 31, 1933, work was continued by the Federal Government under letter arrangements with the Provinces of New Brunswick and Nova Scotia. Work was discontinued in the Province of Prince Edward Island in 1933.

A new agreement with the Province of New Brunswick came into effect on April 1, 1951, and in 1961, a further agreement for the extension of hydrometric coverage was concurred in. A new agreement with the Province of Prince Edward Island was made in 1961 and hydrometric records were commenced in August. A co-operative agreement covering hydrometric surveys in Newfoundland and Labrador was ratified by both governments on March 24, 1950.

Co-operative agreements were negotiated with the four provinces (implementation date in each case was April 1, 1975) and signed by Prince Edward Island January 28, 1975, New Brunswick February 24, 1975, Newfoundland and Labrador February 25, 1975, and Nova Scotia April 28, 1975. The agreements provide that water quantity surveys will be continued by the federal government on a shared cost basis.

CO—OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to many organizations.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

La Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques à Terre-Neuve, au Labrador, au Nouveau-Brunswick, en Nouvelle-Écosse et dans l'Île du Prince-Édouard en vertu d'accords conclus avec chaque province ou un de ses organismes provinciaux. Les autorités provinciales ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

De 1915 à 1919, la Direction fédérale de l'énergie hydraulique et la *Nova Scotia Water Power Commission* ont entrepris des recherches hydrométriques en Nouvelle-Écosse. La Direction a signé une entente semblable en 1918 avec le Nouveau-Brunswick. Le 1er mai 1919, le gouvernement du Canada a conclu de nouveaux accords avec le Nouveau-Brunswick et la Nouvelle-Écosse et un premier accord avec l'Île du Prince-Édouard, aux termes desquels la Direction fédérale de l'énergie hydraulique, devenue plus tard le Bureau fédéral de l'eau et de l'énergie, assumait la responsabilité des études de base sur les ressources en eau des trois provinces. Les accords ont pris fin le 31 mars 1933; toutefois, en vertu de lettres d'entente, le gouvernement fédéral a continué d'exécuter les observations pour les provinces du Nouveau-Brunswick et de la Nouvelle-Écosse. Il a dû abandonner les recherches relatives à l'Île du Prince-Édouard, en 1933.

Un nouvel accord avec le Nouveau-Brunswick est entré en vigueur le 1er avril 1951, suivi, en 1961, d'un autre qui visait à en élargir la portée. En 1961, le gouvernement fédéral a signé un nouvel accord avec la province de l'Île de Prince-Édouard, et les relevés hydrométriques ont débuté en août de la même année. Les deux paliers de gouvernement ont conclu un accord pour les relevés hydrométriques à Terre-Neuve et au Labrador le 24 mars 1950.

Le gouvernement fédéral a signé des accords (qui sont tous entrés en vigueur le 1er avril 1975) avec l'Île du Prince-Édouard, le 28 janvier 1975; avec le Nouveau-Brunswick, le 24 février 1975; avec la Terre-Neuve et le Labrador, le 25 février 1975; et avec la Nouvelle-Écosse, le 28 avril 1975. Selon les dispositions des accords, le gouvernement fédéral s'occupera du programme de relevés hydrométriques dans chacune des provinces et partagera avec elle le coût des mesures.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable à maints organismes de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques.

The names of these organizations are given in the Surface Water Data Reference Index and the annual Surface Water Data publications. The names of agencies which have contributed data for publication are identified herein under individual stations.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit – 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

On trouvera les noms des organismes dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Les noms des organismes qui ont fourni des données apparaissent dans la présente publication sous les stations particulières.

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit – 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'rst le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant

province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

EXPLANATION OF HISTORICAL WATER LEVELS SUMMARY PUBLICATION

A. General Description

Descriptive information about a gauging station is given herein below the table of monthly and annual mean water levels. This refers to such items as latitude and longitude, drainage area and whether the flow is natural or regulated (the year that regulation began is given, if known); International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions are explained under "Remarks".

This descriptive information (except the "Remarks" statement) is also given in the Surface Water Data Reference Index and the annual Surface Water Data publications. However, these two publications contain additional information not given herein such as the type of gauge, period of record and other pertinent remarks. Historical water level data as contained herein are published by province or region and also in alphabetical order as in the annual Surface Water Data publications. However, the Historical Water Levels Summary publications contain data for both active and discontinued water level stations and do not contain any discharge data. These publications will be published every two years and will contain data for all water level stations for the entire period of record not just the data for the intervening two years.

B. Method of Tabulation of Data

For gauging stations where systematic water level data have been obtained, the following are given for the period of record to 1990 inclusive:

1. Summary of monthly and annual mean water levels;
2. Annual maximum instantaneous water levels;
3. Annual maximum and minimum daily water levels;
4. Identification of the extreme recorded for the period of record;
5. Datum to which water levels are referred.

The following standard symbols are used opposite the daily stage to which they apply. These symbols will not appear opposite the monthly and annual mean water levels, but will appear with the annual maximum instantaneous value and the annual maximum and minimum daily values, if applicable:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge during that particular year. A station may have several periods of recording or manual gauges throughout its history. For more details concerning the type of gauge operated during the period of record, the *Surface Water Data Reference Index* should be consulted.

EXPLICATION DU *SOMMAIRE CHRONOLOGIQUE DES NIVEAUX D'EAU*

A. Description générale

On trouve les renseignements descriptifs pour une station des relevés des niveaux d'eau, sous l'extrait des moyennes mensuelles et annuelles. Il s'agit de la latitude et de la longitude; de la superficie du bassin versant; du débit reconnu comme naturel ou régularisé (on indique l'année où la régularisation a débuté, si elle est connue); des stations internationales de jaugeage et des noms des organismes ayant fourni des données ainsi que des précisions sur les conditions spéciales qui prévalaient à la station (elles figurent dans les «Remarques»).

On trouvera également ces renseignements descriptifs (sauf les «Remarques») dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Cependant, ces dernières traitent d'information additionnelles telles que du type de jauge, de la période d'enregistrement et d'autres remarques pertinentes. Les données historiques sur les niveau d'eau, qui sont contenues dans la présente publication, sont subdivisées en ordre alphabétique selon les provinces ou les territoires comme pour les publications annuelles des *Données sur les eaux de surface*. Par contre, le *Sommaire chronologique des niveaux d'eau* contient des données non seulement de stations en opération, mais aussi de stations qui ne le sont plus; aucune donnée sur le débit n'est toutefois fournie. Cette publication paraîtra tous les deux ans et portera sur les données de toutes les stations de relevés des niveau d'eau pour toute la période d'enregistrement plutôt que sur les données qui ne couvrent que les deux années.

B. Présentation sous forme de tableaux des données

Pour les stations où on a effectué un relevé systématique des niveaux d'eau, les données suivantes sont présentées pour la période d'enregistrement allant jusqu'en 1990 inclusivement:

1. Un extrait des moyennes mensuelles et annuelles;
2. Un tableau des valeurs annuelles maximales instantanées;
3. Un tableau des valeurs quotidiennes maximale et minimale annuelles;
4. Un tableau des valeurs extrêmes enregistrées pour toute la période d'observation;
5. Le plan de référence auquel les niveaux d'eau sont reportés.

Les symboles normalisés donnés ci-après sont inscrits à côté des niveaux d'eau quotidiens auxquels ils se rapportent. Les symboles ne sont fournis ni avec les niveaux d'eau moyens mensuels, ni avec les niveaux d'eau moyens annuels, mais ils paraissent avec les valeurs appropriées, c'est-à-dire la valeur instantanée maximale annuelle et les valeurs quotidiennes maximale et minimale annuelles:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne quotidienne pour l'année en question. Toute station peut comporter diverses périodes où les relevés sont effectués soit à partir d'une jauge enregistreuse, soit à l'aide d'une jauge manuelle. Pour obtenir d'autres renseignements sur le genre de jauge qui a servi lors de la période d'observation, il faut consulter l'*Index de référence des données sur les eaux de surface*.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

R – Revised – indicates that a revision, correction or addition has been made to the historical data base after January 1, 1988.

1. *The summary of monthly and annual mean water levels* gives:

   (a) the monthly mean in metres for each month for which there is a complete month of daily water levels. Records of daily water levels for partial months, if obtained, are published in annual publications or are available from the Regional Chief;

   (b) the annual mean water level in metres if there are daily water levels for the complete year;

   (c) the mean of all the monthly means;

   (d) the mean of all the annual means.

2. *The annual maximum instantaneous water level* in metres is given for each year if available. This figure is usually available if the station is equipped with a recording gauge. It may also be estimated from high water marks or from a graph of observed water level readings during the day.

3. *The annual maximum and minimum daily water levels* in metres are given for each year where daily water levels have been obtained for the entire year or where they are considered to be valid for the year even though some daily water levels are missing.

4. *The extreme recorded for the period of record* is identified by an asterisk within the table of annual maximum instantaneous, maximum daily and minimum daily values.

5. *The datum to which the water levels are referred* is shown following both the "Summary of Monthly and Annual Mean Water Levels" table; and the "Annual Extremes of Water Levels" table. If the water levels are referenced to a second datum, this datum is also shown with the conversion factor.

   Occasionally, the water level records at a station are collected for two or more periods for which the water levels cannot be referenced to a common datum. In this case, the datum to which the water levels are referred is shown following each period, and a message is printed at the bottom of the tables, indicating that the water levels are referred to several unrelated datums.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

R – Révisé – indique qu'il y a eu révision, correction ou addition à la base des données chronologiques des après le 1er janvier 1988.

1. *L'extrait des moyennes mensuelles et annuelles* (The summary of monthly and annual mean water levels) donne:

   (a) la moyenne mensuelle, exprimée en mètres, des valeurs quotidiennes des niveaux d'eau pour le mois entier. Pour les stations où on n'a mesuré les niveaux d'eau quotidiens que pour une partie du mois, les données paraissent dans les publications annuelles ou peuvent être obtenues du chef régional;

   (b) la moyenne annuelle, en mètres, pour les stations où on a obtenu des relevés quotidiens pour une année entière;

   (c) la moyenne de toutes les moyennes mensuelles;

   (d) la moyenne de toutes les moyennes annuelles.

2. *Le tableau des valeurs annuelles maximales instantanées* (The annual maximum instantaneous water level), exprimées en mètres, est fourni pour toute année où des données sont disponibles. La majorité des stations munies de jauges enregistreuses détiennent ces données. Elles peuvent également être évaluées à partir du niveau des hautes eaux ou d'un graphique illustrant les niveaux quotidiens.

3. *Le tableau des valeurs quotidiennes minimale et maximale annuelles* (The annual maximum and minimum daily water levels), exprimées en mètres, donne les valeurs pour les stations où on a fait des relevés quotidiens pour une année entière, les valeurs sont fournies si elles sont valables pour l'année en cause.

4. *Le tableau des valeurs extrêmes enregistrées pour toute la période d'observation* (The extreme recorded for the period of record) est indiqué par un astérisque et est compris avec les valeurs annuelles maximales instantanées et les valeurs quotidiennes minimale et maximale annuelles.

5. *Le plan de référence auquel les niveaux d'eau* sont reportés est fourni à la suite de l'extrait des moyennes mensuelles et annuelles et du tableau des valeurs extrêmes. Si les niveaux d'eau ont trait à un deuxième plan de référence, ce dernier est également indiqué même que la constante de conversion.

   Il arrive que les relevés des niveaux d'eau effectués à une station s'appliquent à plus d'une période d'observation de sorte qu'ils ne peuvent être reportés à un même plan de référence. En pareil cas, le plan de référence auquel les niveaux d'eau sont reportés est fourni pour chacune des périodes d'observation et un message imprimé à la suite des tableaux indique que les niveaux d'eau ont trait à plusieurs plans de référence différents.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Recent revisions, corrections or additions made to the historical discharges and water levels are indicated by an "R" symbol in the summary publications. This "R" symbol is deleted from the data bank after publication of the summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data (water level data) referred to herein depends upon the type of gauge, stability of gauge, accuracy of observation, measurement of reference datum, computation procedures and interpretation of records. Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A and E. In general, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only (especially for small or flashy streams) or those obtained by estimation.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées récemment aux débits chronologiques et aux niveaux d'eau sont accompagnées du symbole «R» dans les publications sommaires. Ce symbole «R» est omis de la banque de données après la publication des sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques (données sur le niveau des eaux) dont on parle ici, sont basés sur le type de jauge, la stabilité de la jauge, la précision des observations, la mesure de la donnée de référence, l'évaluation des procédés et l'interprétation des chiffres. À cause de toutes ces variables, on a normalisé, pour des fins d'uniformité de présentation, le nombre de chiffres significatifs, mais ceci ne reflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A et E. En général, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus exactes que celles qui sont obtenues par estimation ou qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

CHURCHILL RIVER AT FOOT OF LOWER MUSKRAT FALLS - STATION NO. 03OE007

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	4.017	---	---	---	1980
1982	---	---	---	---	---	---	---	---	---	3.510	3.871	---	---	1982
1983	---	---	---	5.666	5.894	3.913	---	3.589	3.676	3.947	4.145	6.483	---	1983
1984	---	---	---	---	---	---	---	---	---	4.045	4.488	---	---	1984
1985	---	---	---	---	---	---	---	---	3.580	3.934	4.527	---	---	1985
1986	---	---	---	---	---	---	3.741	3.680	3.826	3.881	5.086	6.581	---	1986
1987	7.436	7.949	---	---	---	---	---	---	---	4.128	4.401	---	---	1987
1988	---	---	---	---	---	4.443	4.143	---	---	---	---	---	---	1988
1989	---	---	---	---	---	---	---	---	---	---	4.437	---	---	1989
1990	---	---	---	11.623	7.688	4.517	3.925	---	---	4.015	4.011	---	---	1990
MEAN	7.436	7.949	---	8.644	6.791	4.291	3.936	3.635	3.694	3.935	4.371	6.532	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 53 14 57 N
LONG 060 46 08 W REGULATED

CHURCHILL RIVER AT FOOT OF LOWER MUSKRAT FALLS - STATION NO. 03OE007

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	---	---	---	1980
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	---	---	1987
1988	---	---	3.322 ON AUG 24 *	1988
1989	---	---	---	1989
1990	---	---	---	1990

WATER LEVELS REFERRED TO ASSUMED DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHURCHILL RIVER AT GRIZZLE RAPIDS - STATION NO. 03OE008

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	---	---	---	---	---	---	---	---	3.942	---	---	1988
1989	---	---	---	---	4.422	---	---	---	---	3.842	---	4.200	---	1989
1990	6.796	7.223	5.904	3.822	4.047	3.989	3.734	3.631	3.690	3.827	3.781	4.282	4.547	1990
MEAN	6.796	7.223	5.904	3.822	4.234	3.989	3.734	3.631	3.690	3.835	3.862	4.241	4.547	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 52 58 08 N
LONG 061 25 59 W REGULATED SINCE 1971

CHURCHILL RIVER AT GRIZZLE RAPIDS - STATION NO. 03OE008

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1988	---	---	---	1988
1989	---	---	---	1989
1990	10.398 AT 0630 AST ON DEC 29 *	8.719 ON DEC 28 *	3.304 ON SEP 12 *	1990

WATER LEVELS REFERRED TO ASSUMED DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHURCHILL RIVER BELOW GULL ISLAND RAPIDS - STATION NO. 03OE006

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	4.952	5.626	---	---	5.133	---	---	---	1979
1981	---	---	---	---	---	---	5.685	5.235	4.840	5.074	5.129	5.174	---	1981
1983	---	---	---	---	---	---	---	4.662	4.754	---	---	---	---	1983
1984	---	---	---	---	5.792	5.514	4.970	4.737	4.994	4.966	5.018	---	---	1984
1985	---	---	---	4.801	---	---	4.773	4.690	4.597	---	---	---	---	1985
1986	---	---	---	---	---	---	4.674	4.627	4.755	4.816	---	---	---	1986
1987	---	---	---	---	---	---	4.545	---	---	---	---	---	---	1987
1988	---	---	---	---	---	---	4.876	4.411	4.577	---	---	---	---	1988
MEAN	---	---	---	4.801	5.792	5.233	5.021	4.727	4.753	4.997	5.074	5.174	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 52 58 21 N
LONG 061 26 15 W REGULATED

CHURCHILL RIVER BELOW GULL ISLAND RAPIDS - STATION NO. 03OE006

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1979	---	---	---	1979
1981	---	---	---	1981
1983	---	---	---	1983
1984	---	---	4.639 ON AUG 16	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	---	---	1987
1988	---	---	4.247 ON AUG 30 *	1988

WATER LEVELS REFERRED TO ASSUMED DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHURCHILL RIVER BELOW LOWER MUSKRAT FALLS - STATION NO. 03OE004

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	---	0.806	---	2.131	---	1978
1979	---	6.550	5.859	5.291	---	-1.002	-1.275	0.879	-0.038	0.258	0.919	2.316	---	1979
1980	2.079	---	---	---	---	1.200	1.026	0.337	---	---	---	---	---	1980
MEAN	2.079	6.550	5.859	5.291	---	0.099	-0.124	0.608	-0.038	0.532	0.919	2.224	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 2.010 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 53 14 46 N
LONG 060 42 38 W REGULATED

REMARKS - GSC DATUM ESTABLISHED BY S.N.C.-LAVLIN NFLD. LTD IN 1979

CHURCHILL RIVER BELOW LOWER MUSKRAT FALLS - STATION NO. 03OE004

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 2.010 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

CHURCHILL RIVER BETWEEN UPPER AND LOWER MUSKRAT FALLS - STATION NO. 03OE005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	---	1.095	0.578	0.826	---	1978
1979	2.594	2.870	---	---	---	---	---	---	---	---	1.075	---	---	1979
1980	---	2.892	---	---	---	---	1.223	0.675	0.590	0.884	0.823	---	---	1980
1981	---	4.330	1.444	---	---	1.906	---	---	---	1.019	1.046	1.003	---	1981
1982	---	---	---	---	---	---	1.009	0.637	0.450	-0.088	0.096	---	---	1982
1983	---	---	---	0.830	2.220	0.849	0.483	0.229	---	0.822	0.773	0.875	---	1983
1984	---	---	---	---	---	1.658	0.766	0.370	0.753	0.643	0.656	0.661	---	1984
1985	---	---	---	---	---	---	---	---	0.066	0.518	0.393	0.147	---	1985
1986	---	---	---	---	---	0.545	0.185	0.327	0.508	0.396	---	---	---	1986
1987	---	---	---	---	---	---	---	0.192	0.094	---	---	---	---	1987
1988	---	---	---	---	---	---	0.547	---	-0.051	0.486	0.486	---	---	1988
1989	---	---	---	---	---	---	-0.327	---	---	0.485	---	0.631	---	1989
1990	0.709	3.668	---	---	---	---	---	---	---	---	---	0.129	---	1990
MEAN	1.652	3.440	1.444	0.830	2.220	1.240	0.555	0.405	0.344	0.626	0.658	0.610	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 9.101 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 53 14 39 N
LONG 060 46 24 W REGULATED

CHURCHILL RIVER BETWEEN UPPER AND LOWER MUSKRAT FALLS - STATION NO. 030E005

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	5.177 ON FEB 18 *	0.335A ON SEP 12	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	0.214 ON AUG 29	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	---	---	1987
1988	---	---	-0.525 ON AUG 31 *	1988
1989	---	---	---	1989
1990	---	---	---	1990

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 9.101 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CORNER BROOK LAKE AT INTAKE HOUSE - STATION NO. 02YL009

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1990	---	---	3.512	3.453	---	5.597	5.030	4.863	4.468	4.418	4.853	5.951	---	1990
MEAN	---	---	3.512	3.453	---	5.597	5.030	4.863	4.468	4.418	4.853	5.951	---	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 48 50 56 N
LONG 057 51 05 W

CORNER BROOK LAKE AT INTAKE HOUSE - STATION NO. 02YL009

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1990	6.563 AT 1630 NST ON DEC 27 *	---	---	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEER LAKE NEAR GENERATING STATION - STATION NO. 02YL007

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	4.796	4.826	---	---	5.742	5.048	4.772	4.733	4.945	5.172	5.515	4.999	---	1987
1988	4.790	4.889	5.140	5.469	6.526	5.632	5.128	4.733	---	5.281	5.617	---	---	1988
1989	4.992	4.952	5.040	5.458	6.032	5.244	4.803	5.073	4.956	5.442	5.505	5.123	5.220	1989
1990	4.973	5.170	5.040	5.470	5.949	5.882	5.070	5.144	5.166	5.559	5.518	5.537	5.373	1990
MEAN	4.888	4.959	5.073	5.466	6.062	5.452	4.943	4.921	5.022	5.364	5.539	5.220	5.297	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 49 10 12 N
LONG 057 26 35 W REGULATED

DEER LAKE NEAR GENERATING STATION - STATION NO. 02YL007

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1987	---	---	4.625 ON JAN 03 *	1987
1988	---	7.331 ON MAY 23 *	---	1988
1989	---	6.454 ON MAY 13	4.705 ON JUL 05	1989
1990	6.436 AT 0821 NST ON JUN 07 *	6.430 ON JUN 07	4.796 ON JAN 03	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEER LAKE NEAR PASADENA - STATION NO. 02YL006

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	4.865	4.880	4.846	6.060	5.731	---	---	4.755	---	5.183	5.519	5.008	---	1987
1988	4.801	4.901	5.148	5.473	---	---	5.134	---	4.604	5.287	5.621	5.255	---	1988
1989	5.024	4.990	5.086	5.517	---	---	4.831	5.074	4.824	5.447	---	---	---	1989
MEAN	4.897	4.924	5.027	5.683	5.731	---	4.983	4.915	4.714	5.306	5.570	5.132	---	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 49 00 32 N
LONG 057 38 41 W REGULATED

DEER LAKE NEAR PASADENA - STATION NO. 02YL006

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1987	---	7.200 ON APR 24	4.694 ON DEC 31 *	1987
1988	---	7.327A ON MAY 24 *	---	1988
1989	---	---	---	1989

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GRAND LAKE AT MAIN DAM - STATION NO. 02YK009

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	---	---	86.358	87.389	87.460	87.248	87.443	87.481	---	87.009	---	1988
1989	86.577	86.120	85.749	85.744	86.359	86.329	85.929	85.705	85.781	85.715	85.740	85.512	85.937	1989
1990	85.141	84.984	84.482	84.612	85.943	86.533	86.242	---	---	---	---	---	---	1990
MEAN	85.859	85.552	85.116	85.178	86.220	86.750	86.544	86.477	86.612	86.598	85.740	86.261	85.937	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 49 11 47 N
LONG 057 15 35 W REGULATED

GRAND LAKE AT MAIN DAM - STATION NO. 02YK009

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1988	---	87.567 ON OCT 12 *	---	1988
1989	---	86.775 ON JAN 02	82.822A ON OCT 28 *	1989
1990	86.643 AT 1125 NST ON JUN 09 *	---	---	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GRAND LAKE AT SOUTHWEST END - STATION NO. 02YK010

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	---	---	---	4.873	4.945	4.719	---	4.956	4.729	4.497	---	1988
1989	4.081	3.617	3.238	3.238	3.899	3.813	3.413	3.177	3.252	3.282	3.225	2.999	3.435	1989
1990	2.629	2.468	1.961	2.095	3.438	4.014	3.723	3.552	2.998	2.714	2.646	3.030	2.943	1990
MEAN	3.355	3.043	2.599	2.667	3.668	4.233	4.027	3.816	3.125	3.651	3.533	3.509	3.189	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 48 40 12 N
LONG 058 04 46 W REGULATED

GRAND LAKE AT SOUTHWEST END - STATION NO. 02YK010

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1988	---	5.045 ON OCT 09 *	---	1988
1989	---	4.275 ON JAN 03	2.784 ON DEC 31	1989
1990	4.122 AT 0321 NST ON JUN 08 *	4.118 ON JUN 08	1.666 ON APR 03 *	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MENIHEK LAKE AT MENIHEK RAPIDS GENERATING STATION - STATION NO. 03OA002

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	449.17	448.95	448.52	448.29	448.06	448.76	449.48	449.52	449.39	449.54	449.56	449.60	449.07	1955
1956	449.65	449.70	449.66	449.53	448.72	448.81	449.17	449.48	449.54	449.52	449.54	449.60	449.41	1956
1957	449.63	449.59	---	449.53	448.89	448.79	449.33	449.56	449.57	449.55	449.60	449.70	---	1957
1958	449.72	449.72	449.70	449.63	449.49	449.55	449.59	449.61	449.61	449.62	449.63	449.62	449.62	1958
1959	449.67	449.61	449.38	449.09	449.37	449.60	449.64	449.63	449.66	449.73	449.76	449.76	449.58	1959
1960	449.76	449.76	449.58	449.21	449.23	449.09	449.59	449.61	449.62	449.60	449.70	449.75	449.54	1960
1961	449.75	449.53	448.85	448.36	448.91	449.58	449.58	449.62	449.65	449.76	449.75	449.70	449.42	1961
1962	449.71	449.48	448.89	448.37	448.49	449.65	449.68	449.67	449.71	449.66	449.79	449.65	449.40	1962
1963	449.57	449.38	449.10	448.69	448.51	449.58	449.59	449.59	449.66	449.74	449.78	449.85	449.42	1963
1964	449.79	449.44	448.92	448.39	449.00	449.56	449.54	449.63	449.62	449.66	449.79	449.85	449.43	1964
1965	449.81	449.61	449.12	448.35	448.33	449.57	449.66	449.62	449.69	449.65	449.75	449.80	449.41	1965
1966	449.80	449.83	449.54	449.06	449.00	449.64	449.69	449.68	449.67	449.67	449.78	449.81	449.60	1966
1967	449.83	449.68	449.48	448.92	448.89	449.49	449.51	449.63	449.65	449.70	449.67	449.77	449.52	1967
MEAN	449.68	449.56	449.23	448.88	448.84	449.36	449.56	449.60	449.62	449.65	449.70	449.73	449.45	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 54 27 18 N
LONG 066 37 30 W REGULATED

DATA CONTRIBUTED BY -
IRON ORE COMPANY OF CANADA LIMITED

MENIHEK LAKE AT MENIHEK RAPIDS GENERATING STATION - STATION NO. 03OA002

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1955	---	450.49 ON NOV 24 *	447.99 ON MAY 16	1955
1956	---	449.76 ON APR 24	448.63 ON MAY 20	1956
1957	---	---	---	1957
1958	---	449.76 ON JAN 25	449.42 ON MAY 09	1958
1959	---	449.85 ON NOV 15	448.93 ON MAY 03	1959
1960	---	449.79 ON FEB 03	448.17 ON JUN 13	1960
1961	---	449.82 ON SEP 28	448.17 ON APR 30	1961
1962	---	449.82 ON OCT 31	447.96 ON MAY 17	1962
1963	---	449.88 ON DEC 28	447.99 ON MAY 13	1963
1964	---	449.88 ON JAN 01	448.17 ON APR 29	1964
1965	---	449.85 ON JAN 01	447.87 ON MAY 07 *	1965
1966	---	449.85 ON FEB 08	448.81 ON MAY 11	1966
1967	---	449.85 ON JAN 01	448.45 ON MAY 04	1967

WATER LEVELS REFERRED TO ASSUMED DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCH LAKE AT LAKEVILLE CORNER - STATION NO. 01AO010

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	1.155	---	---	---	---	---	---	---	---	---	---	---	1980
1981	1.287	---	---	---	---	1.973	1.499	1.934	---	2.131	2.460	---	---	1981
1982	---	1.313	1.312	2.883	---	1.459	1.248	1.250	1.476	1.288	1.743	1.811	---	1982
1983	1.469	1.355	1.840	3.163	3.509	2.253	1.227	1.118	0.986	1.063	1.708	2.699	1.868	1983
1984	1.411	1.525	1.564	3.115	4.027	2.734	2.350	1.434	1.090	0.952	1.155	1.273	1.886	1984
1985	---	---	1.278	1.980	2.769	---	---	---	---	---	---	1.178	---	1985
1986	1.296	1.826	1.329	3.452	2.472	1.672	1.331	1.550	1.531	1.456	1.246	1.534	1.721	1986
1987	---	0.951	0.906	3.745	1.618	---	---	---	---	---	---	1.755	---	1987
1988	---	1.234	1.263	3.025	2.278	---	---	---	---	---	---	1.440	---	1988
1989	1.064	1.027	1.102	2.758	3.232	---	---	---	---	---	---	1.252	---	1989
1990	---	---	---	---	---	---	---	---	---	2.048	2.451	2.428	---	1990
MEAN	1.305	1.298	1.324	3.015	2.844	2.018	1.531	1.457	1.271	1.490	1.794	1.708	1.825	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 54 30 N
LONG 066 15 31 W REGULATED

FRENCH LAKE AT LAKEVILLE CORNER - STATION NO. 01AO010

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	3.591 AT 0200 AST ON APR 19	3.573 ON APR 19	---	1980
1981	4.388 AT 1358 AST ON APR 12	4.383 ON APR 12	1.088 ON FEB 02	1981
1982	5.009 AT 0502 AST ON MAY 01	---	---	1982
1983	5.140 AT 1301 AST ON APR 29 *	5.120 ON APR 29 *	0.896 ON SEP 20	1983
1984	5.085 AT 0322 AST ON MAY 04	5.080 ON MAY 04	0.867 ON NOV 07 *	1984
1985	3.163 AT 1341 AST ON MAY 07	3.146 ON MAY 07	---	1985
1986	4.021 AT 1355 AST ON APR 27	4.017 ON APR 28	1.040 ON JAN 21	1986
1987	4.949 AT 1006 AST ON APR 05	4.923 ON APR 05	---	1987
1988	3.292 AT 1353 AST ON APR 19	3.271 ON APR 19	---	1988
1989	4.024 AT 0958 AST ON MAY 10	4.017 ON MAY 10	---	1989
1990	3.977 AT 1649 AST ON MAY 01	3.956 ON MAY 01	---	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GRAND FALLS FLOWAGE AT GRAND FALLS - STATION NO. 01AR013

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	61.965	61.857	61.858	61.842	61.950	61.779	61.864	61.816	61.887	---	1980
1981	61.777	61.944	61.784	61.945	61.871	61.901	61.829	61.875	61.696	61.574	61.914	61.935	61.836	1981
1982	61.906	61.814	61.495	61.718	61.715	61.921	61.787	61.664	61.684	61.448	61.725	61.865	61.727	1982
1983	61.760	61.649	61.736	61.848	61.865	61.837	61.779	61.557	61.700	61.476	61.490	61.901	61.717	1983
1984	61.798	61.890	61.818	61.818	61.783	61.919	61.910	61.817	61.719	61.363	61.422	61.535	61.732	1984
1985	61.516	61.317	61.615	61.409	61.579	61.617	61.663	61.654	61.546	61.498	61.579	61.438	61.538	1985
1986	61.677	61.735	61.438	61.914	61.627	61.623	61.667	61.764	61.631	61.698	61.555	61.654	61.665	1986
1987	61.606	61.595	61.564	61.744	61.508	61.620	61.562	61.486	61.334	61.364	61.463	61.729	61.547	1987
1988	61.373	61.471	61.440	61.933	61.728	61.582	61.698	61.734	61.722	61.679	61.803	---	---	1988
1989	61.403	61.406	---	---	61.882	61.867	61.761	61.854	61.731	61.569	61.802	61.727	---	1989
1990	61.614	61.764	61.714	61.721	61.790	61.695	61.655	61.712	61.710	61.733	61.737	61.880	61.727	1990
MEAN	61.643	61.659	61.623	61.802	61.746	61.767	61.741	61.733	61.659	61.570	61.664	61.755	61.686	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 16 30 N
LONG 067 29 46 W REGULATED

REMARKS - PUBLISHED UNDER THE NAME "GRAND FALLS LAKE AT GRAND FALLS" TO 1985

GRAND FALLS FLOWAGE AT GRAND FALLS - STATION NO. 01AR013

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	62.131 AT 1721 EST ON APR 13	62.118 ON APR 13	---	1980
1981	62.299 AT 0710 EST ON SEP 26 *	62.289 ON SEP 26 *	61.345 ON OCT 18	1981
1982	62.030 AT 1830 EST ON JAN 08	62.027 ON JAN 09	61.295 ON NOV 01	1982
1983	62.080 AT 1208 EST ON NOV 26	62.034 ON NOV 26	61.172 ON NOV 05	1983
1984	---	62.070 ON FEB 17	61.251 ON OCT 13	1984
1985	61.980 AT 2234 EST ON MAR 17	61.975 ON MAR 17	61.250 ON FEB 15	1985
1986	---	62.048 ON JAN 29	61.320 ON MAR 18	1986
1987	61.998 AT 1552 EST ON DEC 03	61.980 ON DEC 03	61.253 ON SEP 04	1987
1988	62.037 AT 2136 EST ON APR 04	62.020 ON APR 05	61.111 ON DEC 26 *	1988
1989	62.073 AT 0050 EST ON MAY 16	---	---	1989
1990	62.017 AT 1006 EST ON DEC 24	61.999 ON DEC 24	61.468 ON JAN 12	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GRAND LAKE AT FOREST CITY - STATION NO. 01AR009

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	131.242	131.181	131.100	131.502	132.105	132.212	---	131.917	131.579	131.441	131.556	131.563	---	1969
1970	131.533	131.707	131.786	132.079	132.473	132.360	132.260	132.137	131.974	131.799	131.604	131.520	131.937	1970
1971	131.372	131.341	131.401	131.679	132.358	132.273	132.067	131.774	131.337	131.027	130.903	130.887	131.536	1971
1972	130.933	130.909	130.996	131.325	132.076	132.431	132.301	132.018	131.780	131.491	131.482	---	---	1972
1973	131.805	---	---	132.010	132.499	132.455	132.302	132.170	132.090	131.671	131.546	131.825	---	1973
1974	---	131.707	131.615	131.910	132.415	132.487	132.423	132.173	131.857	131.494	131.379	131.564	---	1974
1975	131.621	131.599	131.559	131.708	132.157	132.299	132.105	131.751	131.516	131.282	131.289	131.493	131.699	1975
1976	131.576	131.905	131.973	132.403	132.519	132.353	132.182	132.229	131.946	131.711	131.891	131.879	132.047	1976
1977	131.797	131.652	131.572	131.915	132.180	132.398	132.289	131.996	131.728	131.784	131.885	131.927	131.929	1977
1978	132.101	131.861	131.413	131.561	132.050	131.971	131.816	131.653	131.489	131.333	131.248	131.189	131.639	1978
1979	131.401	131.619	131.909	132.352	132.465	132.409	132.145	132.027	131.968	131.855	131.954	131.975	132.008	1979
1980	131.971	131.803	131.705	132.023	132.338	132.316	132.222	132.159	131.950	131.790	131.877	132.176	132.029	1980
1981	131.994	131.974	132.141	132.379	132.363	132.264	132.027	131.813	131.793	132.119	132.291	132.220	132.115	1981
1982	131.934	131.704	131.470	131.891	132.210	132.066	131.919	131.856	131.715	131.462	131.510	131.763	131.792	1982
1983	131.835	131.822	131.906	132.336	132.398	132.364	132.222	132.158	131.719	131.322	131.323	132.012	131.953	1983
1984	131.966	131.656	131.617	131.932	132.432	132.439	132.394	132.125	131.873	131.485	131.263	131.261	131.871	1984
1985	131.220	131.147	131.259	131.542	131.675	131.693	131.708	131.612	131.433	131.249	131.227	131.267	131.421	1985
1986	131.249	131.420	131.367	131.854	132.211	132.240	131.993	131.782	131.412	131.218	131.123	131.284	131.597	1986
1987	---	131.197	131.159	131.784	131.994	131.989	131.971	131.806	131.692	131.703	131.623	131.837	---	1987
1988	131.801	131.764	131.639	132.041	132.283	132.184	132.100	131.953	131.677	131.373	131.488	131.605	131.825	1988
1989	131.561	131.470	131.392	131.836	132.389	132.405	132.267	132.268	131.934	131.435	131.507	131.621	131.843	1989
1990	131.607	131.605	131.561	132.128	132.386	132.415	132.220	132.134	131.669	131.508	131.775	132.112	131.928	1990
MEAN	131.626	131.573	131.550	131.918	132.272	132.274	132.140	131.985	131.733	131.525	131.534	131.666	131.833	MEAN

WATER LEVELS REFERRED TO INTERNATIONAL BOUNDARY COMMISSION DATUM

LOCATION - LAT 45 39 54 N
LONG 067 44 10 W REGULATED

REMARKS - PUBLISHED UNDER THE NAME "EAST GRAND LAKE AT FOREST CITY" TO 1985

GRAND LAKE AT FOREST CITY - STATION NO. 01AR009

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1969	132.241 AT 2047 EST ON JUN 16	132.237 ON JUN 17	131.058 ON MAR 21	1969
1970	132.582 AT 2328 EST ON MAY 18 *	132.573 ON MAY 19 *	131.442 ON FEB 02	1970
1971	132.430 AT 1003 EST ON MAY 10	132.423 ON MAY 09	130.860 ON NOV 25 *	1971
1972	132.484 AT 0127 EST ON JUN 16	132.481 ON JUN 14	130.899 ON FEB 13	1972
1973	132.536 AT 0734 EST ON MAY 23	132.533 ON MAY 02	131.488 ON OCT 30	1973
1974	132.539 AT 1328 EST ON JUN 23	132.530 ON JUN 22	131.341 ON NOV 20	1974
1975	132.381 AT 1359 EST ON JUN 20	132.378 ON JUN 20	131.198 ON NOV 10	1975
1976	132.582 AT 0043 EST ON MAY 21	132.573 ON MAY 21	131.555 ON JAN 25	1976
1977	132.570 AT 1055 EST ON JUN 22	132.564 ON JUN 22	131.533E ON MAR 13	1977
1978	---	132.164A ON JAN 16	131.171 ON DEC 17	1978
1979	132.535 AT 2322 EST ON JUN 01	132.531 ON JUN 01	131.187 ON JAN 01	1979
1980	132.388 AT 1644 EST ON MAY 22	132.385 ON MAY 20	131.669 ON MAR 17	1980
1981	132.512 AT 1000 EST ON APR 12	132.504 ON APR 12	131.644 ON SEP 18	1981
1982	132.305 AT 2228 EST ON APR 29	132.305 ON APR 29	131.358 ON NOV 04	1982
1983	132.520 AT 0255 EST ON APR 26	132.517 ON APR 26	131.195 ON NOV 02	1983
1984	132.572 AT 1400 EST ON JUN 03	132.571 ON JUN 03	131.230 ON NOV 10	1984
1985	131.745 AT 1016 EST ON JUL 17	131.741 ON JUL 17	131.112 ON NOV 05	1985
1986	132.320 AT 0928 EST ON JUN 02	132.310 ON JUN 03	131.078 ON NOV 20	1986
1987	132.034 AT 0756 EST ON JUN 10	132.029 ON JUN 10	131.132 ON MAR 24	1987
1988	132.302 AT 0353 EST ON MAY 12	132.298 ON MAY 14	131.314 ON OCT 18	1988
1989	132.525 AT 0130 EST ON MAY 16	132.520 ON MAY 15	131.362 ON OCT 20	1989
1990	132.472 AT 1444 EST ON MAY 30	132.460 ON MAY 30	131.432 ON OCT 13	1990

WATER LEVELS REFERRED TO INTERNATIONAL BOUNDARY COMMISSION DATUM

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GRAND LAKE AT NEWCASTLE CREEK - STATION NO. 01AO003

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	2.132	1.432	0.945	0.885	0.925	1.207	1.315	1.267	---	1965
1966	1.068	1.116	1.577	2.450	2.568	1.529	1.007	---	---	1.230	1.627	1.481	---	1966
1967	1.209	1.020	1.015	---	---	1.839	1.221	1.014	1.350	1.809	1.290	1.675	---	1967
1968	1.177	1.508	1.459	3.535	2.206	1.142	1.019	0.834	0.777	0.854	1.176	1.503	1.430	1968
1969	1.084	1.071	1.123	2.410	3.859	1.916	1.243	1.190	1.421	1.267	---	---	---	1969
1970	1.469	1.877	1.175	1.951	3.509	1.897	1.364	1.225	1.202	1.783	1.664	1.309	1.701	1970
1971	1.106	1.389	1.444	2.639	---	---	1.074	1.002	1.311	1.164	1.092	1.053	---	1971
1972	1.109	0.993	1.302	1.996	4.446	2.444	1.475	---	1.307	1.521	1.950	1.719	---	1972
1973	1.470	1.919	2.019	3.171	4.192	2.119	1.621	1.475	1.076	0.965	---	---	---	1973
1974	1.830	1.262	1.544	2.224	4.303	2.102	1.506	1.058	0.976	1.201	1.086	1.872	1.753	1974
1975	1.221	1.054	1.260	2.148	3.715	2.155	1.125	0.976	0.894	0.996	1.542	1.549	1.555	1975
1976	1.287	2.091	1.620	4.038	3.515	1.774	1.648	1.882	1.467	1.995	2.045	1.364	2.057	1976
1977	1.354	1.106	1.425	3.335	3.592	2.436	1.495	1.129	1.082	2.460	1.802	---	---	1977
1978	---	---	1.278	2.430	3.791	1.710	1.210	0.939	0.888	1.016	1.031	0.972	---	1978
1979	1.677	1.689	2.694	3.474	3.607	2.270	1.198	1.214	1.567	1.518	1.729	1.475	2.009	1979
1980	1.403	1.010	1.146	2.698	2.351	1.271	1.353	1.442	1.222	1.773	1.561	1.843	1.591	1980
1981	1.207	2.007	2.057	3.271	2.393	1.916	1.456	1.893	1.440	2.115	2.392	2.060	2.015	1981
1982	---	---	1.252	2.851	3.383	1.399	1.184	1.178	1.421	1.240	1.700	1.755	---	1982
1983	1.442	1.333	1.812	3.146	3.464	2.214	1.194	1.104	0.979	1.056	1.702	2.661	1.845	1983
1984	1.422	1.571	1.635	3.248	4.036	2.744	2.310	1.390	1.052	0.907	1.106	1.171	1.883	1984
1985	1.056	0.980	1.219	1.944	2.717	1.846	1.525	1.148	0.865	0.954	1.195	1.151	1.386	1985
1986	1.220	1.707	1.206	3.310	2.315	1.606	1.256	1.493	1.475	1.396	1.204	1.485	1.636	1986
1987	1.156	0.984	1.005	3.794	1.566	1.218	1.132	0.954	0.980	1.239	1.346	1.709	1.423	1987
1988	1.125	1.212	1.250	2.977	2.204	1.189	---	---	1.099	1.143	1.944	1.386	---	1988
1989	0.981	0.922	0.970	2.708	3.167	1.604	1.016	1.360	1.064	0.973	1.545	1.166	1.458	1989
1990	1.166	1.480	1.568	2.920	2.936	1.798	1.225	1.404	1.089	2.013	2.353	2.329	1.858	1990
MEAN	1.271	1.361	1.442	2.861	3.165	1.823	1.312	1.226	1.157	1.377	1.558	1.563	1.707	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 03 37 N
LONG 066 00 13 W REGULATED

GRAND LAKE AT NEWCASTLE CREEK - STATION NO. 01AO003

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	4.252 ON APR 22	0.619 ON OCT 17 *	1968
1969	---	---	---	1969
1970	4.285 AT 1826 AST ON MAY 05	4.267 ON MAY 06	0.972 ON MAR 21	1970
1971	4.590 AT 1820 AST ON MAY 08	4.575 ON MAY 08	0.881 ON AUG 03	1971
1972	5.224 AT 1558 AST ON MAY 20	5.215 ON MAY 20	0.744 ON FEB 13	1972
1973	6.453 AT 1650 AST ON MAY 02 *	6.440 ON MAY 02 *	0.789 ON OCT 09	1973
1974	5.032 AT 1104 AST ON MAY 05	5.020 ON MAY 05	0.847 ON SEP 03	1974
1975	4.349 AT 1946 AST ON MAY 14	4.334 ON MAY 14	0.680 ON SEP 02	1975
1976	4.810 AT 1911 AST ON APR 08	4.782 ON APR 08	1.061 ON JAN 14	1976
1977	4.865 AT 1827 AST ON APR 29	4.855 ON APR 29	0.823 ON SEP 12	1977
1978	4.523 AT 1641 AST ON MAY 13	4.511 ON MAY 13	0.762 ON OCT 03	1978
1979	5.678 AT 0634 AST ON MAY 03	5.659 ON MAY 03	0.969 ON JAN 01	1979
1980	3.536 AT 1448 AST ON APR 19	3.527 ON APR 19	0.786 ON MAR 14	1980
1981	4.335 AT 1133 AST ON APR 12	4.330 ON APR 12	0.995 ON FEB 02	1981
1982	4.958 AT 1400 AST ON MAY 01	---	---	1982
1983	5.127 AT 1654 AST ON APR 29	5.114 ON APR 29	0.879 ON SEP 19	1983
1984	5.195 AT 1303 AST ON MAY 03	5.181 ON MAY 03	0.823 ON OCT 19	1984
1985	3.117 AT 1034 AST ON MAY 07	3.084 ON MAY 08	0.715 ON NOV 05	1985
1986	3.872 AT 1650 AST ON APR 28	3.865 ON APR 28	0.975E ON JAN 21	1986
1987	5.042 AT 1803 AST ON APR 05	5.033 ON APR 06	0.797 ON MAR 14	1987
1988	3.255 AT 1252 AST ON APR 19	3.243 ON APR 19	0.888 ON OCT 05	1988
1989	3.969 AT 1706 AST ON MAY 09	3.952 ON MAY 10	0.794 ON MAR 05	1989
1990	3.910 AT 1616 AST ON MAY 01	3.896 ON MAY 01	0.973 ON JAN 01	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

JEMSEG RIVER AT JEMSEG - STATION NO. 01AO004

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	2.464	2.585	1.495	---	---	---	1.130	---	---	---	1966
1967	---	1.060	1.018	---	3.532	1.884	---	1.027	1.430	1.880	1.364	1.704	---	1967
1968	---	---	1.357	---	---	---	0.986	0.841	0.760	0.873	---	---	---	1968
1969	---	---	1.259	2.597	---	1.918	1.216	---	1.487	1.235	---	---	---	1969
1970	---	---	1.199	1.997	---	---	1.352	---	1.212	1.800	1.668	1.337	---	1970
1971	1.143	1.383	1.455	2.633	3.756	1.481	1.072	1.017	1.315	1.163	1.119	1.046	1.549	1971
1972	1.087	1.017	1.340	2.000	---	---	1.476	1.335	1.311	---	---	1.704	---	1972
1973	1.475	---	2.021	3.172	4.128R	---	---	---	1.118	0.994	---	2.201	---	1973
1974	---	---	1.594	---	4.298	2.080	1.497	1.075	1.010	1.172	1.139	1.863	---	1974
1975	1.255	1.076	1.296	2.189	3.710	2.146	1.129	0.982	0.910	1.019	1.544	1.533	1.568	1975
1976	1.267	2.076	1.648	4.045	3.505	1.763	1.649	1.897	1.476	2.009	2.033	1.356	2.057	1976
1977	1.354	1.108	1.443	3.341	3.558	2.443	1.488	1.143	1.114	2.459	1.808	---	---	1977
1978	---	---	1.308	2.455	3.752	1.692	1.217	0.958	0.912	1.029	1.036	0.919	---	1978
1979	1.676	1.673	2.735	3.470	3.561	2.247	1.198	1.222	1.574	1.520	1.733	1.481	2.008	1979
1980	1.412	1.039	1.175	2.708	2.358	1.284	1.340	1.442	1.226	1.769	1.581	1.841	1.600	1980
1981	1.205	2.021	2.040	3.241	2.369	1.896	1.458	1.924	1.451	2.105	2.372	2.089	2.012	1981
1982	---	---	1.250	2.819	3.332	1.403	1.187	1.181	1.415	1.244	1.705	1.759	---	1982
1983	1.455	1.336	1.825	3.150	3.423	2.191	1.210	1.115	0.997	1.080	1.747	2.643	1.850	1983
1984	1.416	1.563	1.633	3.258	3.959	2.680	2.249	1.392	1.038	0.908	1.095	1.136	1.860	1984
1985	1.051	0.990	1.226	1.934	2.689	1.836	1.495	1.136	0.863	0.968	1.204	---	---	1985
1986	1.169	1.688	1.194	3.313	2.301	1.587	1.261	1.491	1.464	1.400	1.217	1.465	1.626	1986
1987	1.139	1.030	1.093	3.804	1.529	1.220	1.125	0.963	1.004	1.230	1.360	1.715	1.433	1987
1988	---	---	---	3.002	2.203	1.197	1.148	1.128	1.073	1.138	1.927	1.368	---	1988
1989	1.000	0.927	0.994	2.710	3.148	1.616	1.027	1.359	1.089	1.002	1.554	1.194	1.470	1989
1990	1.205	1.473	1.572	2.896	2.902	1.772	1.222	1.382	1.075	2.029	2.369	2.345	1.855	1990
MEAN	1.269	1.341	1.464	2.873	3.171	1.801	1.318	1.239	1.180	1.382	1.579	1.635	1.741	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 49 46 N
LONG 066 06 58 W REGULATED

R - REVISED SINCE JAN 01 1988

JEMSEG RIVER AT JEMSEG - STATION NO. 01AO004

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	4.282 AT 1530 AST ON MAY 05	4.212 ON MAY 06	0.994 ON MAR 20	1970
1971	4.572 AT 1127 AST ON MAY 08	4.557 ON MAY 08	0.869 ON AUG 03	1971
1972	5.200 AT 1154 AST ON MAY 20	5.179 ON MAY 20	0.789 ON FEB 13	1972
1973	6.364 AT 1614 AST ON MAY 02 *	6.340 ON MAY 02 *	0.820 ON OCT 08	1973
1974	5.057 AT 1150 AST ON MAY 05	5.032 ON MAY 05	---	1974
1975	4.349 AT 1243 AST ON MAY 14	4.337 ON MAY 14	0.710 ON SEP 02 *	1975
1976	---	4.822A ON APR 08	1.021 ON JAN 14	1976
1977	4.865 AT 1650 AST ON APR 29	4.855 ON APR 29	0.860 ON SEP 10	1977
1978	4.499 AT 1153 AST ON MAY 13	4.487 ON MAY 13	0.777 ON SEP 30	1978
1979	5.496 AT 0910 AST ON MAY 03	5.481 ON MAY 03	1.005 ON AUG 05	1979
1980	---	3.527E ON APR 19	0.818 ON MAR 13	1980
1981	4.360 AT 0836 AST ON APR 12	4.348 ON APR 12	0.980 ON FEB 02	1981
1982	4.933 AT 1441 AST ON MAY 01	---	---	1982
1983	5.100 AT 1025 AST ON APR 29	5.082 ON APR 29	0.887 ON SEP 19	1983
1984	5.172 AT 2125 AST ON MAY 03	5.152 ON MAY 03	0.820 ON NOV 05	1984
1985	3.104 AT 0954 AST ON MAY 07	3.083 ON MAY 07	0.728 ON NOV 05	1985
1986	3.877 AT 0800 AST ON APR 27	3.863 ON APR 28	0.945E ON JAN 21	1986
1987	5.078 AT 1554 AST ON APR 08	5.069 ON APR 08	0.868 ON SEP 05	1987
1988	3.253 AT 2309 AST ON APR 19	3.242 ON APR 19	0.858 ON SEP 21	1988
1989	3.977 AT 1900 AST ON MAY 09	3.959 ON MAY 09	0.796 ON MAR 05	1989
1990	3.881 AT 1827 AST ON MAY 01	3.871 ON MAY 01	0.983 ON SEP 14	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LAKE UTOPIA AT CANAL - STATION NO. 01AQ009

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	17.685	---	16.948	16.600	16.962	17.678	---	---	1985
1986	---	---	---	---	---	17.142	---	17.027	16.897	16.960	16.633	---	---	1986
1987	---	---	---	---	---	16.991	16.992	16.209	16.571	17.238	---	---	---	1987
1988	---	---	---	---	---	17.113	17.023	16.867	17.365	17.194	18.021	---	---	1988
1989	---	---	---	---	---	17.639	16.822	17.277	16.935	16.963	17.819	---	---	1989
1990	---	---	---	---	---	---	17.156	17.402	17.393	17.789	18.098	---	---	1990
MEAN	---	---	---	---	---	17.314	16.998	16.955	16.960	17.184	17.650	---	---	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 09 37 N
LONG 066 49 40 W REGULATED

LAKE UTOPIA AT CANAL - STATION NO. 01AQ009

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1985	---	---	16.456 ON SEP 09	1985
1986	---	---	16.360 ON NOV 10	1986
1987	---	---	15.662 ON SEP 04 *	1987
1988	---	---	16.660 ON AUG 14	1988
1989	---	---	16.547 ON AUG 04	1989
1990	---	---	16.646 ON JUL 16	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAGAGUADAVIC LAKE NEAR UPPER MAGAGUADAVIC - STATION NO. 01AQ007

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	116.107	116.448	116.467	116.486	116.847	116.832	116.581	116.645	116.763	116.653	116.702	116.685	116.602	1979
1980	116.584	115.971	115.697	116.729	116.828	116.642	116.703	116.766	116.515	116.811	116.872	116.963	116.592	1980
1981	116.796	116.885	116.666	116.885	116.754	116.835	116.787	116.732	116.435	116.854	116.895	116.923	116.787	1981
1982	---	---	115.992	116.625	116.506	116.324	116.267	116.346	116.429	115.921	115.960	116.568	---	1982
1983	116.693	116.685	116.693	116.881	116.784	116.715	---	---	---	115.491	115.550	---	---	1983
1984	116.813	116.482	116.446	116.759	116.662	116.884	116.778	116.649	116.111	115.572	115.444	115.508	116.342	1984
1985	115.485	115.404	115.673	116.428	116.703	116.688	116.759	116.540	116.256	115.765	115.918	116.344	116.168	1985
1986	116.099	116.270	115.977	116.612	116.516	116.696	116.576	116.602	116.613	116.168	115.716	116.145	116.332	1986
1987	115.988	---	115.544	116.470	116.569	116.648	116.642	116.452	116.051	115.843	115.757	116.412	---	1987
1988	116.586	116.471	115.957	116.314	116.537	116.632	116.554	116.483	116.349	115.969	116.582	116.817	116.437	1988
1989	116.548	116.040	115.826	116.338	116.744	116.769	116.582	116.694	116.366	115.956	116.279	116.700	116.406	1989
1990	116.625	116.758	116.519	116.667	116.695	116.838	116.725	116.673	116.356	116.250	116.889	117.011	116.666	1990
MEAN	116.393	116.341	116.121	116.599	116.679	116.709	116.632	116.598	116.386	116.104	116.214	116.552	116.481	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 43 44 N
LONG 067 11 09 W REGULATED SINCE 1978

MAGAGUADAVIC LAKE NEAR UPPER MAGAGUADAVIC - STATION NO. 01AQ007

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1979	117.084 AT 0123 AST ON JUN 02	117.081 ON JUN 02	115.509 ON JAN 01	1979
1980	117.091 AT 0121 AST ON DEC 07	117.089 ON DEC 06	115.516 ON MAR 17	1980
1981	117.109 AT 1753 AST ON APR 11	117.108 ON APR 11	116.185 ON SEP 19	1981
1982	117.104 AT 0610 AST ON APR 28	---	---	1982
1983	117.032 AT 1400 AST ON APR 28	117.028 ON APR 28	115.370 ON NOV 03	1983
1984	117.315 AT 1050 AST ON JUN 04 *	117.307 ON JUN 04 *	115.396 ON NOV 10	1984
1985	116.813 AT 0219 AST ON JUL 12	116.811 ON JUL 12	115.362 ON FEB 12 *	1985
1986	116.893 AT 0421 AST ON APR 28	116.891 ON APR 28	115.615 ON NOV 20	1986
1987	116.719 AT 0735 AST ON JUN 15	116.713 ON JUN 15	115.504 ON MAR 16	1987
1988	116.897 AT 1343 AST ON DEC 06	116.896 ON DEC 06	115.775 ON MAR 23	1988
1989	116.953 AT 0021 AST ON MAY 21	116.947 ON MAY 21	115.775 ON MAR 15	1989
1990	117.147 AT 0453 AST ON DEC 27	117.144 ON DEC 27	116.108 ON OCT 10	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT EDMUNDSTON - STATION NO. 01AD004

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	135.350	---	---	136.358	135.695	134.828	134.972	134.892	134.907	135.231	134.915	136.150	---	1980
1981	135.547	136.246	135.403	136.569	136.044	135.320	---	---	135.384	136.364	135.571	135.099	---	1981
1982	135.566	135.314	---	---	---	134.964	134.704	---	---	134.779	135.152	136.286	---	1982
1983	135.922	135.481	135.479	137.630	---	135.623	134.789	134.603	134.548	134.725	135.356	136.372	---	1983
1984	136.577	136.179	136.052	137.405	---	---	135.792	134.999	134.684	134.576	134.839	135.308	---	1984
1985	135.206	134.868	135.012	136.104	136.321	135.202	135.151	134.824	134.532	134.767	134.854	135.587	135.205	1985
1986	135.534	135.597	135.197	136.905	135.860	---	---	135.497	---	---	135.041	135.468	---	1986
1987	135.363	135.192	135.183	137.198	134.991	134.915	134.934	---	---	134.917	135.145	135.595	---	1987
1988	135.404	135.274	135.051	---	---	134.771	135.017	134.822	134.667	134.967	135.566	135.305	---	1988
1989	135.187	135.114	134.992	136.459	136.559	135.393	---	---	---	134.570	135.239	135.651	---	1989
1990	135.309	135.602	135.826	136.572	136.260	135.328	134.721	---	134.676	135.890	135.577	136.798	---	1990
MEAN	135.542	135.487	135.355	136.800	135.961	135.149	135.010	134.939	134.771	135.079	135.205	135.784	135.205	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 47 21 40 N DRAINAGE AREA, 15 500 km²
LONG 068 19 38 W NATURAL FLOW

SAINT JOHN RIVER AT EDMUNDSTON - STATION NO. 01AD004

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	138.457 AT 1535 AST ON DEC 13	138.120 ON DEC 13	---	1980
1981	139.923 AT 1249 AST ON FEB 25	138.838 ON FEB 26	---	1981
1982	139.622 AT 0814 AST ON APR 29	---	---	1982
1983	141.198 AT 0747 AST ON APR 19 *	141.041 ON APR 19 *	134.377 ON SEP 18 *	1983
1984	140.256 AT 1058 AST ON MAY 02	140.194 ON MAY 02	134.447 ON NOV 04	1984
1985	138.594 AT 2342 AST ON APR 28	138.541 ON APR 28	134.396 ON SEP 27	1985
1986	139.184 AT 2118 AST ON APR 03	138.886 ON APR 04	134.740 ON NOV 23	1986
1987	140.238 AT 2244 AST ON APR 02	---	---	1987
1988	---	---	134.576 ON SEP 16	1988
1989	139.220 AT 0051 AST ON APR 10	---	---	1989
1990	140.788 AT 0017 AST ON DEC 30	140.011 ON DEC 27	134.445 ON SEP 17	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT FREDERICTON - STATION NO. 01AK003

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1929	---	---	1.16	3.72	4.74	2.11	1.38	0.93	0.78	1.06	1.19	0.86	---	1929
1930	1.39	1.20	1.96	3.49	4.16	2.25	1.82	1.43	1.10	0.88	1.00	1.08	1.82	1930
1931	0.88	0.81	0.86	3.71	2.45	1.89	1.24	0.93	0.99	1.89	2.16	1.29	1.59	1931
1932	1.71	1.23	1.11	4.55	3.35	1.67	1.56	1.50	1.61	2.03	2.62	1.91	2.07	1932
1933	1.15	0.99	0.96	3.42	4.34	2.12	1.42	0.81	1.01	1.50	1.66	1.18	1.72	1933
1934	1.00	1.01	1.32	5.01	4.14	1.85	1.35	1.10	0.82	0.95	1.66	1.97	1.85	1934
1935	1.33	0.92	1.03	3.57	3.65	2.37	1.59	0.90	0.72	0.75	1.02	1.37	1.60	1935
1936	1.31	1.04	1.60	3.73	4.13	2.30	1.24	0.92	1.04	1.59	1.97	1.83	2.06	1936
1937	1.77	1.22	1.25	2.80	3.76	1.95	1.08	1.10	0.95	1.23	2.33	1.91	1.78	1937
1938	1.24	1.11	1.36	3.43	3.53	1.51	1.96	1.40	1.58	1.56	1.43	2.92	1.94	1938
1939	1.53	1.13	1.11	2.33	4.55	1.92	1.48	1.99	1.21	1.68	2.12	2.34	1.96	1939
1940	1.39	1.00	1.02	3.55	4.26	2.48	2.07	1.06	1.38	1.27	2.46	1.94	1.99	1940
1941	1.87	1.33	1.22	3.78	3.26	1.57	1.96	1.20	0.35	0.89	2.38	1.54	1.95	1941
1942	1.53	1.01	1.54	3.12	4.32	2.36	1.39	0.97	0.84	0.94	2.14	1.06	1.69	1942
1943	0.75	0.85	1.04	1.70	4.63	2.56	1.50	1.44	1.26	1.90	2.98	1.31	1.83	1943
1944	0.83	0.74	0.79	1.52	3.20	1.45	1.15	0.98	1.07	2.20	2.35	1.39	1.47	1944
1945	1.62	1.12	1.76	5.03	3.58	1.99	1.92	1.16	1.10	1.77	1.78	1.26	2.01	1945
1946	1.15	1.07	1.97	3.02	4.37	1.62	0.98	0.86	0.78	0.91	1.12	1.38	1.61	1946
1947	1.03	1.63	1.51	3.00	5.17	3.07	1.59	1.28	0.91	0.60	0.69	0.64	1.75	1947
1948	0.60	0.58	0.81	2.86	3.72	1.78	1.05	0.89	0.68	1.07	1.82	1.74	1.47	1948
1949	1.58	0.88	1.07	3.77	2.70	1.68	1.10	0.78	0.89	0.95	1.44	2.05	1.58	1949
1950	2.88	1.89	1.90	3.67	2.99	1.64	1.27	0.80	0.83	0.67	2.04	3.79	2.03	1950
1951	1.84	1.67	1.50	4.50	2.62	1.53	1.89	1.15	1.03	0.88	2.09	2.21	1.91	1951
1952	1.79	1.39	1.48	3.56	4.05	2.70	0.92	0.68	0.57	0.95	0.99	0.98	1.65	1952
1953	0.98	1.51	1.75	4.71	3.16	1.11	0.80	0.64	0.68	0.66	1.17	2.12	1.60	1953
1954	1.15	1.19	1.83	3.72	3.44	2.14	2.19	2.21	2.19	2.45	2.26	2.69	2.29	1954
1955	2.39	2.24	2.50	4.18	4.30	1.90	0.89	1.16	1.03	1.02	1.01	0.87	1.95	1955
1956	1.64	1.23	1.25	3.02	3.92	2.47	1.48	1.21	1.13	1.15	1.38	1.57	1.79	1956
1957	1.25	1.18	1.48	2.84	3.26	1.86	1.84	1.38	1.14	1.10	2.22	3.62	1.94	1957
1958	2.85	1.92	2.02	4.27	4.02	1.95	2.02	2.69	2.02	1.51	1.80	1.62	2.19	1958
1959	1.48	1.34	1.33	3.98	3.48	2.23	1.57	1.38	1.60	1.73	2.87	3.36	2.20	1959
1960	2.041	1.945	1.698	4.273	5.271	1.955	1.420	1.085	1.006	1.069	1.685	1.748	2.099	1960
1961	1.373	1.146	1.206	2.880	6.147	3.360	1.476	1.151	1.772	2.058	1.665	2.034	2.195	1961
1962	1.696	1.222	1.248	3.378	3.128	2.024	2.046	1.990	1.511	1.516	3.216	---	---	1962
1963	---	1.433	1.332	---	5.377	1.978	1.571	1.909	---	---	3.887	3.172	---	1963
1964	1.888	1.534	1.691	3.436	3.433	1.965	1.480	1.293	1.178	1.232	1.428	2.605	1.932	1964
1965	2.338	1.533	1.859	2.322	2.870	1.814	1.109	1.086	1.241	1.659	1.777	1.715	1.779	1965
1966	1.417	1.443	2.224	3.433	3.439	1.779	1.171	1.012	0.970	1.407	2.183	2.027	1.877	1966
1967	1.419	1.280	1.220	2.446	4.571	2.215	1.474	1.233	2.042	2.442	1.631	2.121	2.013	1967
1968	1.537	2.129	2.100	4.957	2.528	1.254	1.068	0.875	0.804	0.953	1.277	1.652	1.756	1968
1969	1.270	---	1.390	3.259	5.347	2.160	---	1.467	2.009	1.473	2.674	2.397	---	1969
1970	1.818	---	1.930	2.916	---	2.253	1.535	1.320	1.449	2.469	1.988	---	---	1970
1971	1.395	1.710	1.822	3.444	4.813	2.624	1.197	1.293	1.671	1.426	1.276	1.223	1.908	1971
1972	1.311	1.234	1.884	2.580	5.677	2.950	1.754	1.586	1.658	1.924	2.366	2.132	2.259	1972
1973	1.933	2.660	3.010	4.556	5.069	2.481	1.975	1.692	1.262	1.155	1.139	2.982	2.493	1973
1974	2.232	1.603	2.145	3.082	5.693	2.443	1.684	1.225	1.153	1.336	1.270	2.197	2.179	1974
1975	1.562	1.317	1.727	2.845	4.854	2.566	1.272	1.080	1.037	1.180	1.798	1.802	1.923	1975
1976	1.820	2.592	2.305	5.462	4.545	1.995	2.109	2.540	1.791	2.713	2.517	1.834	2.666	1976
1977	1.677	1.419	2.077	4.646	4.375	3.007	1.624	1.393	1.334	3.172	2.140	1.849	2.397	1977
1978	2.645	2.145	1.707	3.350	4.773	1.986	1.408	1.057	0.999	1.145	1.155	1.115	1.957	1978
1979	2.061	2.038	3.906	4.508	4.230	2.683	1.332	1.360	1.995	1.759	2.099	1.855	2.485	1979
1980	1.793	1.228	1.454	3.602	2.856	1.448	1.654	1.621	1.460	2.166	1.862	2.273	1.953	1980
1981	1.516	2.908	2.617	4.221	3.068	2.260	1.656	2.637	1.844	2.872	2.870	2.471	2.573	1981
1982	1.740	1.574	1.646	4.015	4.129	1.624	1.317	1.350	1.706	1.457	2.295	2.255	2.093	1982
1983	1.972	1.704	2.339	4.496	4.228	2.646	1.370	1.216	1.104	1.216	2.419	3.296	2.327	1983
1984	1.795	2.070	2.214	4.608	4.942	3.389	2.765	1.570	1.151	1.011	1.327	1.359	2.349	1984
1985	1.247	1.160	1.498	2.764	3.452	2.118	1.772	1.355	0.934	1.097	1.470	1.319	1.685	1985
1986	---	2.199	1.654	4.496	2.858	1.866	1.587	2.020	1.908	1.770	1.579	2.035	---	1986
1987	1.438	1.138	1.534	---	---	1.468	1.374	1.122	1.249	1.497	1.800	2.485	---	1987
1988	1.638	1.612	1.782	4.072	2.752	1.360	---	---	---	---	2.507	1.648	---	1988
1989	1.291	1.178	1.305	3.749	4.142	2.042	1.211	---	1.288	1.186	---	1.443	---	1989
1990	1.509	1.843	2.233	4.074	3.294	---	1.493	1.738	1.308	3.049	---	3.150	---	1990
MEAN	1.576	1.451	1.678	3.624	3.985	2.078	1.510	1.320	1.250	1.502	1.874	1.933	1.969	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 57 54 N
LONG 066 38 42 W REGULATED

NEW BRUNSWICK

SAINT JOHN RIVER AT FREDERICTON - STATION NO. 01AK003

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1929	---	---	---	1929
1930	---	5.82 ON MAY 10	0.64 ON OCT 08	1930
1931	---	4.33 ON APR 04	0.34 ON SEP 08 *	1931
1932	---	7.41 ON APR 10	0.88 ON FEB 20	1932
1933	---	6.22 ON MAY 06	0.58 ON SEP 15	1933
1934	---	7.38 ON APR 22	0.58 ON OCT 04	1934
1935	---	6.55 ON APR 22	0.49 ON FEB 28	1935
1936	---	7.56 ON MAR 21	0.64 ON MAR 12	1936
1937	---	4.63 ON MAY 01	0.73 ON OCT 16	1937
1938	---	4.88 ON APR 23	0.88 ON MAR 10	1938
1939	---	6.58 ON MAY 11	0.94 ON MAR 16	1939
1940	---	6.64 ON APR 15	0.76 ON AUG 27	1940
1941	---	6.74 ON APR 23	0.91 ON SEP 02	1941
1942	---	6.55 ON MAY 06	0.58 ON SEP 06	1942
1943	---	5.76 ON MAY 14	0.58 ON JAN 23	1943
1944	---	4.48 ON MAY 09	0.58 ON MAR 13	1944
1945	---	6.40 ON APR 03	0.70 ON SEP 18	1945
1946	---	5.67 ON APR 29	0.58 ON NOV 05	1946
1947	---	6.74 ON MAY 09	0.34 ON OCT 24	1947
1948	---	4.57 ON MAY 21	0.37 ON MAR 07	1948
1949	---	4.48 ON APR 18	0.52 ON SEP 15	1949
1950	---	6.31 ON APR 22	0.40 ON OCT 08	1950
1951	---	5.67 ON APR 13	0.55 ON SEP 26	1951
1952	---	5.27 ON MAY 01	0.34 ON SEP 15	1952
1953	---	6.07 ON APR 03	0.43 ON AUG 19	1953
1954	---	6.55 ON APR 24	0.88 ON JAN 30	1954
1955	---	6.00 ON MAY 06	0.70 ON DEC 25	1955
1956	---	4.72 ON APR 17	0.85 ON JAN 07	1956
1957	---	5.43 ON DEC 24	0.85 ON OCT 03	1957
1958	---	7.59 ON APR 25	1.22 ON OCT 08	1958
1959	---	5.39 ON NOV 30	0.98 ON JUL 29	1959
1960	---	6.710 ON MAY 16	0.765 ON OCT 16	1960
1961	---	7.413 ON MAY 29	0.920 ON AUG 23	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	5.825 ON APR 18	0.826 ON OCT 15	1964
1965	---	3.819 ON JAN 01	0.917 ON AUG 08	1965
1966	---	4.673 ON APR 25	0.732 ON SEP 11	1966
1967	---	5.316 ON MAY 13	0.969 ON NOV 16	1967
1968	6.114 AT 0930 AST ON APR 21	6.047 ON APR 17	0.613 ON SEP 18	1968
1969	7.279 AT 0800 AST ON MAY 12	6.952 ON MAY 12	0.933 ON SEP 07	1969
1970	6.328 AT 1200 AST ON MAY 04	6.288 ON MAY 04	1.045 ON SEP 02	1970
1971	6.632 AT 2230 AST ON MAY 05	6.562 ON MAY 06	0.939 ON AUG 01	1971
1972	6.968 AT 1619 AST ON MAY 16	6.846 ON MAY 17	0.835 ON FEB 12	1972
1973	8.608 AT 0659 AST ON APR 30 *	8.540A ON APR 30 *	0.786 ON OCT 07	1973
1974	7.428 AT 0312 AST ON MAY 03	7.379 ON MAY 03	0.927 ON SEP 10	1974
1975	6.005 AT 2208 AST ON MAY 08	5.944 ON MAY 08	0.789 ON SEP 01	1975
1976	6.937 AT 1101 AST ON APR 05	6.885 ON APR 05	1.152 ON JAN 11	1976
1977	7.077 AT 1056 AST ON APR 25	7.007 ON APR 25	0.890 ON SEP 11	1977
1978	6.404 AT 0255 AST ON MAY 11	6.376 ON MAY 11	0.768 ON SEP 29	1978
1979	8.062A AT 1400 AST ON APR 30	7.897A ON APR 30	1.005 ON AUG 06	1979
1980	5.386 AT 0952 AST ON APR 16	5.168 ON APR 16	0.910 ON MAR 10	1980
1981	6.026 AT 1715 AST ON APR 11	5.899 ON APR 11	1.128 ON SEP 13	1981
1982	7.151 AT 1353 AST ON APR 29	7.109 ON APR 29	0.978 ON JUL 16	1982
1983	7.333 AT 1514 AST ON APR 19	7.159 ON APR 27	0.910 ON OCT 30	1983
1984	7.116 AT 2114 AST ON MAY 02	7.055 ON MAY 02	0.854 ON OCT 06	1984
1985	4.753 AT 0700 AST ON APR 30	4.667 ON APR 30	0.772 ON SEP 14	1985
1986	5.256 AT 1621 AST ON APR 24	5.209 ON APR 24	1.020 ON JAN 19	1986
1987	7.817 AT 2009 AST ON APR 02	---	---	1987
1988	4.703 AT 0810 AST ON APR 07	4.690A ON APR 08	0.933 ON JUN 24	1988
1989	5.447 AT 1608 AST ON MAY 08	---	---	1989
1990	5.790 AT 0835 AST ON APR 30	5.707 ON APR 30	1.097 ON SEP 03	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT HARTLAND - STATION NO. 01AJ005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	---	41.294	42.085	41.958	---	1969
1970	43.492	---	---	43.067	---	---	---	40.984	41.266	42.056	41.595	42.347	---	1970
1971	41.793	---	---	---	---	---	---	41.274	41.559	41.361	41.122	41.894	---	1971
1972	42.083	42.031	42.379	---	44.202	42.117	---	---	41.284	41.638	41.671	---	---	1972
1973	43.047	43.471	43.362	43.628	43.681	41.895	41.527	41.267	41.172	41.128	41.017	42.258	42.282	1973
1974	43.331	42.860	42.914	43.140	44.360	41.513	41.302	41.153	41.066	41.145	41.274	42.662	42.227	1974
1975	42.752	42.296	42.280	42.670	43.676	41.902	41.138	40.916	40.975	41.034	41.289	42.298	41.935	1975
1976	42.347	42.564	42.474	44.358	43.359	41.572	41.749	42.120	41.565	42.148	41.934	42.803	42.416	1976
1977	42.418	---	---	44.034	43.229	41.992	---	---	41.219	42.340	41.652	41.873	---	1977
1978	42.579	42.130	41.738	42.734	43.582	41.605	---	---	40.905	40.825	40.955	41.840	---	1978
1979	42.555	42.259	43.515	---	---	---	---	---	---	---	---	---	---	1979
MEAN	42.640	42.516	42.666	43.376	43.727	41.799	41.429	41.286	41.223	41.497	41.459	42.215	42.215	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 18 22 N
LONG 067 31 57 W REGULATED

SAINT JOHN RIVER AT HARTLAND - STATION NO. 01AJ005

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL		MAXIMUM DAILY WATER LEVEL		MINIMUM DAILY WATER LEVEL		YEAR
1969	---		---		---		1969
1970	---		---		---		1970
1971	45.049 AT 1121 AST ON MAY 06		44.964 ON MAY 06		40.758 ON AUG 02		1971
1972	---		45.601 ON MAY 18		41.072 ON SEP 24		1972
1973	47.802 AT 0956 AST ON APR 30		47.747 ON APR 30	*	40.822A ON NOV 19		1973
1974	46.519 AT 0124 AST ON MAY 03		46.369 ON MAY 03		40.740 ON SEP 02		1974
1975	44.857 AT 1658 AST ON MAY 08		44.812 ON MAY 08		40.612 ON AUG 17		1975
1976	47.963 AT 1156 AST ON APR 01	*	47.146 ON APR 01		41.105 ON JUN 27		1976
1977	46.113 AT 2122 AST ON APR 24		45.943 ON APR 25		40.761 ON SEP 05		1977
1978	45.452 AT 2125 AST ON MAY 11		45.345 ON MAY 11		40.605 ON OCT 08	*	1978
1979	45.571 AT 1130 AST ON MAR 27		45.399 ON MAR 27		---		1979

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT HARTLAND SALMON POOL - STATION NO. 01AJ008

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	40.265	39.986	39.839	39.733	39.709	41.218	---	1973
1974	42.401	41.597	41.766	42.552	43.875	40.843	40.113	39.763	39.699	39.753	39.871	42.186	41.203	1974
1975	42.017	41.548	41.582	42.294	43.038	40.878	39.786	39.479	39.634	39.737	39.991	41.589	40.963	1975
1976	41.449	41.730	41.566	43.833	42.746	40.411	40.623	41.085	40.359	41.205	40.951	41.771	41.477	1976
1977	---	---	41.196	43.393	42.555	41.002	40.041	40.088	39.913	---	---	---	---	1977
1978	---	41.477	40.768	42.044	---	---	39.954	39.496	39.584	---	---	---	---	1978
1979	---	41.534	42.931	42.472	---	41.010	39.900	39.799	40.556	40.081	40.360	---	---	1979
1980	---	---	40.448	42.264	41.116	39.903	40.170	39.966	39.967	40.505	40.147	41.948	---	1980
1981	41.710	42.719	---	---	41.412	40.616	40.074	41.171	---	---	40.979	40.855	---	1981
1982	41.835	40.997	40.733	---	---	---	39.715	39.695	40.097	39.863	40.716	---	---	1982
1983	43.347	42.996	43.096	43.314	42.356	40.986	---	---	39.772	39.853	40.956	42.141	---	1983
1984	42.512	41.987	42.085	43.569	43.026	41.682	41.287	40.505	40.294	40.426	40.556	---	---	1984
1985	41.605	40.932	40.890	41.829	41.858	40.517	40.720	40.422	40.352	40.548	40.796	41.933	41.036	1985
1986	42.193	44.799	43.451	43.307	41.262	40.606	40.463	40.941	40.767	40.769	40.947	42.723	41.833	1986
1987	41.810	41.382	41.485	42.929	40.628	40.517	40.582	40.388	40.295	40.586	40.699	41.768	41.086	1987
1988	41.693	41.283	41.154	42.522	41.421	40.394	40.546	40.453	---	---	41.015	41.539	---	1988
1989	41.072	40.752	40.665	42.190	42.354	40.786	40.425	40.508	40.445	40.384	40.890	41.578	41.005	1989
1990	41.068	41.121	41.317	42.308	41.833	40.660	40.401	40.611	40.476	---	41.287	---	---	1990
MEAN	41.901	41.790	41.571	42.721	42.106	40.721	40.298	40.256	40.128	40.265	40.617	41.771	41.229	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 17 54 N
LONG 067 31 45 W REGULATED

SAINT JOHN RIVER AT HARTLAND SALMON POOL - STATION NO. 01AJ008

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL		MAXIMUM DAILY WATER LEVEL		MINIMUM DAILY WATER LEVEL		YEAR
1973	---		---		---		1973
1974	46.098 AT 0204 AST ON MAY 03		45.939 ON MAY 03		39.298 ON AUG 18		1974
1975	44.345A AT 1719 AST ON MAY 08		44.345A ON MAY 08		39.213 ON AUG 17		1975
1976	47.683 AT 1028 AST ON APR 01		47.122 ON APR 01		39.822 ON JUN 26		1976
1977	45.513 AT 2347 AST ON APR 24		45.342 ON APR 25		39.401 ON SEP 05		1977
1978	45.251 AT 1429 AST ON APR 22		44.824 ON MAY 09		39.139 ON AUG 21	*	1978
1979	47.168 AT 2255 AST ON APR 30		46.950 ON MAY 01		39.405 ON OCT 07		1979
1980	44.214 AT 1457 AST ON DEC 19		44.004 ON DEC 19		---		1980
1981	46.830 AT 2235 AST ON FEB 26		45.937 ON FEB 28		39.484 ON AUG 02		1981
1982	45.810 AT 1720 AST ON APR 28		---		---		1982
1983	46.150 AT 2355 AST ON APR 19		---		---		1983
1984	45.470 AT 1652 AST ON MAY 02		45.397 ON MAY 02		39.868 ON SEP 20		1984
1985	43.938 AT 1158 AST ON APR 29		43.905 ON APR 29		39.963 ON AUG 17		1985
1986	48.009 AT 2153 AST ON APR 03	*	47.486 ON APR 03	*	40.038 ON JUL 12		1986
1987	47.725 AT 0107 AST ON APR 01		46.504 ON APR 03		39.920 ON SEP 08		1987
1988	43.718 AT 1339 AST ON APR 03		43.418 ON APR 09		39.457 ON OCT 09		1988
1989	46.007 AT 1153 AST ON APR 07		44.498 ON APR 09		40.110 ON OCT 20		1989
1990	44.569 AT 1901 AST ON APR 05		44.325 ON APR 29		39.820 ON JUL 19		1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT MACTAQUAC GENERATING STATION - STATION NO. 01AK009

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	3.825	3.614	4.468	4.062	4.354	---	1980
1981	3.838	4.809	4.541	---	---	---	3.900	5.002	4.147	5.261	4.961	4.424	---	1981
1982	3.949	3.763	3.703	5.924	6.110	3.749	3.385	3.477	3.969	3.687	4.610	4.319	4.220	1982
1983	4.002	3.784	4.285	6.661	6.204	4.771	3.602	3.500	3.440	3.580	4.868	5.070	4.481	1983
1984	3.870	3.965	3.991	6.621	6.859	5.461	4.979	3.830	3.408	3.302	3.638	3.619	4.461	1984
1985	3.565	3.411	3.687	5.339	5.639	4.192	4.176	3.700	3.315	3.457	3.783	3.551	3.987	1985
1986	3.788	4.180	3.698	6.609	5.005	4.121	3.919	4.458	4.245	4.142	---	---	---	1986
1987	3.574	3.499	3.624	6.687	---	3.727	3.634	---	---	3.844	4.019	4.375	---	1987
1988	---	3.539	3.732	6.321	---	---	3.805	---	3.504	3.877	4.743	---	---	1988
1989	3.478	3.298	3.366	5.822	6.138	---	3.475	---	3.637	---	---	---	---	1989
1990	---	3.782	4.388	6.252	5.745	---	---	4.200	3.784	5.647	5.069	4.904	---	1990
MEAN	3.758	3.803	3.902	6.248	5.957	4.337	3.875	3.999	3.726	4.126	4.417	4.327	4.287	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 57 24 N
LONG 066 51 53 W REGULATED

SAINT JOHN RIVER AT MACTAQUAC GENERATING STATION - STATION NO. 01AK009

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	---	---	---	1980
1981	8.257 AT 1635 AST ON APR 11	8.041 ON APR 11	3.035 ON SEP 07	1981
1982	9.410 AT 0419 AST ON APR 28	9.266 ON APR 28	2.933 ON JUL 11 *	1982
1983	9.983 AT 1017 AST ON APR 19	9.729 ON APR 19 *	2.988 ON MAR 06	1983
1984	9.126 AT 1924 AST ON MAY 02	9.073 ON MAY 02	2.995 ON DEC 09	1984
1985	7.742 AT 2346 AST ON APR 28	7.493 ON APR 29	3.039 ON NOV 02	1985
1986	7.861 AT 1123 AST ON APR 04	7.599 ON APR 04	3.033 ON MAR 18	1986
1987	10.448 AT 1539 AST ON APR 02 *	---	---	1987
1988	7.363 AT 0649 AST ON APR 07	7.153 ON APR 07	3.019 ON MAR 14	1988
1989	7.823 AT 0830 AST ON MAY 04	---	---	1989
1990	8.447 AT 0923 AST ON OCT 25	8.057 ON APR 29	3.109 ON JAN 20	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT MAUGERVILLE - STATION NO. 01AC002

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	2.465	1.540	0.976	0.956	1.063	1.411	---	---	---	1965
1966	---	---	1.863	---	---	1.580	---	---	---	---	---	---	---	1966
1967	---	---	---	---	---	---	---	---	1.684	2.144	---	1.899	---	1967
1968	1.278	1.784	---	4.404	2.335	1.197	---	0.859	0.786	0.901	1.278	---	---	1968
1969	---	---	---	2.895	4.666	1.994	1.255	1.346	1.759	1.381	2.371	2.185	---	1969
1970	---	---	---	---	4.017	2.019	---	---	---	---	1.817	---	---	1970
1971	---	---	---	---	---	1.547	1.131	1.161	1.485	1.303	1.206	1.142	---	1971
1972	1.212	1.118	1.632	2.344	5.128	2.696	1.619	1.475	1.483	---	---	---	---	1972
1973	1.729	2.327	2.619	3.938	4.630	2.295	---	1.630	1.222	1.083	1.085	2.670	---	1973
1974	---	---	---	2.734	---	---	---	1.145	1.080	1.267	---	---	---	1974
1975	---	---	---	2.515	4.324	2.183	1.167	1.009	0.954	1.088	1.683	---	---	1975
1976	---	---	---	4.841	4.082	1.857	1.892	---	---	2.384	2.265	---	---	1976
1977	1.478	---	---	---	4.001	2.734	1.538	1.265	1.230	2.844	1.875	---	---	1977
1978	1.252	1.950	1.505	2.974	4.319	1.831	1.319	1.015	0.953	1.086	1.111	1.077	1.791	1978
1979	1.945	1.862	3.473	4.053	3.929	2.688	1.420	1.368	1.793	1.651	1.921	1.686	2.300	1979
1980	1.575	1.120	1.338	3.218	2.594	---	---	1.526	1.335	1.975	1.722	2.045	---	1980
1981	1.344	1.438	1.320	3.809	2.757	2.103	1.579	---	---	---	2.635	2.300	---	1981
1982	1.593	1.403	1.447	3.555	3.804	1.510	1.263	1.261	1.534	1.330	2.003	2.008	1.894	1982
1983	1.669	1.530	2.134	3.957	3.802	2.426	---	---	1.057	---	---	3.021	---	1983
1984	---	---	1.907	4.060	4.534	3.082	2.547	1.460	1.099	---	---	1.275	---	1984
1985	1.167	1.098	1.408	2.432	3.116	1.968	1.672	1.233	0.931	1.028	---	1.249	---	1985
1986	1.464	2.004	1.499	4.079	2.615	1.711	1.416	1.785	1.684	1.588	1.392	1.725	1.909	1986
1987	1.334	1.117	1.315	4.482	1.658	1.254	1.255	1.035	1.110	1.370	1.493	2.017	1.625	1987
1988	1.298	1.378	1.566	---	2.522	1.288	1.277	1.246	1.155	1.287	1.580	1.531	---	1988
1989	1.165	1.080	1.189	3.375	3.691	1.801	1.067	1.463	1.181	1.092	1.789	1.323	1.686	1989
1990	1.393	1.691	2.014	3.536	3.346	1.958	1.331	1.416	1.160	2.649	2.681	2.809	2.167	1990
MEAN	1.500	1.593	1.826	3.537	3.564	1.964	1.428	1.283	1.261	1.543	1.812	1.880	1.910	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 51 58 N
LONG 066 27 40 W REGULATED

SAINT JOHN RIVER AT MAUGERVILLE - STATION NO. 01AO002

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	5.712 AT 0959 AST ON MAY 07	5.691 ON MAY 07	0.911 ON AUG 01	1971
1972	6.069 AT 0341 AST ON MAY 17	6.059 ON MAY 19	0.796 ON FEB 12	1972
1973	7.108 AT 1200 AST ON MAY 01 *	7.096 ON MAY 01 *	0.774 ON OCT 07	1973
1974	6.309 AT 1629 AST ON MAY 03	6.288 ON MAY 03	---	1974
1975	5.200 AT 1912 AST ON MAY 14	5.194 ON MAY 14	0.719 ON SEP 01 *	1975
1976	5.950 AT 1149 AST ON APR 07	5.922 ON APR 07	---	1976
1977	6.029 AT 1700 AST ON APR 25	5.995 ON APR 25	0.884 ON SEP 11	1977
1978	5.575 AT 1514 AST ON MAY 12	5.557 ON MAY 12	0.753 ON SEP 29	1978
1979	6.471 AT 0300 AST ON MAY 02	6.435 ON MAY 02	1.123 ON DEC 16	1979
1980	4.545 AT 1223 AST ON APR 16	---	---	1980
1981	5.286 AT 0301 AST ON APR 12	5.194 ON APR 12	1.060 ON FEB 01	1981
1982	6.206 AT 1802 AST ON APR 29	6.181 ON APR 29	0.949 ON OCT 31	1982
1983	6.240 AT 1230 AST ON APR 28	6.220 ON APR 28	0.906 ON SEP 18	1983
1984	6.259 AT 0632 AST ON MAY 03	6.216 ON MAY 03	0.867 ON OCT 06	1984
1985	3.985 AT 1439 AST ON MAY 01	3.951 ON MAY 01	0.777 ON NOV 04	1985
1986	4.634 AT 1830 AST ON APR 24	4.615E ON APR 05	0.937 ON JAN 19	1986
1987	6.440 AT 2121 AST ON APR 02	6.407 ON APR 04	0.871 ON MAR 14	1987
1988	4.120 AT 1132 AST ON APR 08	4.065 ON APR 08	0.922 ON JUN 24	1988
1989	4.786 AT 1630 AST ON MAY 09	4.753 ON MAY 09	0.894 ON OCT 10	1989
1990	4.972 AT 1013 AST ON APR 30	4.932 ON APR 30	0.945 ON SEP 02	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT OAK POINT - STATION NO. 01AP003

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	0.25	0.14	0.07	0.98	3.09	0.65	0.20	0.09	0.05	0.10	0.61	0.86	0.59	1923
1924	0.37	0.21	0.19	0.88	2.84	0.88	0.17	0.14	0.28	0.16	0.16	0.34	0.55	1924
1925	0.12	0.18	0.65	1.58	1.74	0.61	0.37	0.26	0.20	1.07	1.39	0.70	0.74	1925
1926	0.26	0.18	0.12	0.52	3.01	1.25	0.40	0.16	0.16	0.64	1.18	0.61	0.71	1926
1927	0.30	0.21	0.28	---	1.67	1.32	0.46	0.57	0.47	0.79	1.44	1.27	---	1927
1928	0.69	0.35	0.21	1.77	2.40	1.29	0.49	0.43	0.22	0.37	0.60	0.39	0.77	1928
1929	0.49	0.22	0.26	1.38	2.50	0.98	0.45	0.22	0.07	0.27	0.38	0.17	0.62	1929
1930	0.38	0.27	0.79	1.68	2.04	0.96	0.72	0.51	0.33	0.23	0.21	0.28	0.70	1930
1931	0.11	0.07	0.22	1.93	1.31	0.97	0.54	0.38	0.43	0.86	1.13	0.43	0.70	1931
1932	0.73	0.52	0.46	2.39	1.83	0.86	0.75	0.66	0.63	0.94	1.26	0.67	0.97	1932
1933	0.46	0.44	0.43	1.75	2.46	1.17	0.66	0.33	0.47	0.83	0.88	0.52	0.87	1933
1934	0.33	0.39	0.54	2.81	2.67	0.91	0.62	0.43	0.25	0.35	0.82	0.87	0.92	1934
1935	0.58	0.31	0.35	1.64	2.20	1.15	0.76	0.34	0.26	0.28	0.50	0.75	0.76	1935
1936	0.65	0.44	1.90	2.27	2.12	1.24	0.61	0.38	0.48	0.78	1.06	0.93	1.07	1936
1937	0.81	0.56	0.54	1.44	2.16	1.08	0.52	0.50	0.43	0.55	1.30	0.93	0.90	1937
1938	0.53	0.62	0.55	1.78	2.14	0.90	0.96	0.61	0.87	0.85	0.78	1.37	1.00	1938
1939	0.58	0.47	0.54	1.14	2.82	1.20	0.80	0.96	0.61	0.82	1.23	0.91	1.01	1939
1940	0.52	0.41	0.38	1.58	2.44	1.25	1.06	0.43	0.72	0.66	1.29	0.74	0.96	1940
1941	0.69	0.44	0.39	1.91	1.94	0.85	1.03	0.63	0.66	0.94	1.30	0.65	0.95	1941
1942	0.74	0.50	0.83	1.62	2.65	1.21	0.73	0.35	0.31	0.40	0.60	0.51	0.87	1942
1943	0.28	0.40	0.47	0.89	2.65	1.52	0.81	0.78	0.64	0.99	1.75	0.60	0.98	1943
1944	0.31	0.27	0.33	0.93	1.77	0.74	0.56	0.45	0.50	1.16	1.50	0.76	0.77	1944
1945	0.75	0.53	0.82	2.92	2.22	1.17	1.04	0.56	0.46	1.03	1.05	0.67	1.10	1945
1946	0.55	0.47	0.99	1.72	2.70	1.03	0.49	0.37	0.33	0.41	0.65	0.65	0.87	1946
1947	0.52	0.85	0.83	1.59	3.10	2.02	0.91	0.67	0.38	0.29	0.43	0.34	0.99	1947
1948	0.32	0.29	0.48	1.67	2.19	1.21	0.58	0.50	0.31	0.55	1.12	1.05	0.86	1948
1949	0.84	0.39	0.49	2.04	1.55	0.89	0.52	0.35	0.45	0.56	0.91	1.02	0.84	1949
1950	1.00	0.58	0.54	1.71	1.89	0.92	0.81	0.37	0.50	---	1.32	---	---	1950
1951	---	---	---	2.69	1.70	0.95	1.09	---	---	0.56	1.35	0.99	---	1951
1952	0.79	0.87	---	---	2.47	1.69	---	0.29	---	---	---	---	---	1952
1953	---	---	---	---	2.03	---	---	---	---	---	---	1.37	---	1953
1954	---	---	---	---	---	---	---	---	---	---	1.47	1.31	---	1954
1955	0.90	0.81	---	2.20	2.72	1.22	---	---	0.40	0.48	0.49	0.38	---	1955
1956	---	---	---	1.59	2.20	---	---	---	---	---	0.63	---	---	1956
1957	---	---	---	---	---	---	---	---	---	0.43	---	---	---	1957
1958	1.48	---	0.90	2.25	2.41	---	0.95	---	1.06	---	1.03	---	---	1958
1959	---	---	0.57	1.96	1.90	1.18	0.74	---	---	---	1.48	1.91	---	1959
1960	0.84	0.90	---	2.14	2.99	1.04	---	---	---	0.83	1.48	1.91	---	1960
1961	0.33	0.25	0.32	1.44	3.51	2.14	0.72	0.47	0.75	1.12	0.91	1.12	1.09	1961
1962	0.74	0.54	0.54	1.89	1.60	1.00	0.97	0.95	0.63	0.83	1.72	1.01	1.03	1962
1963	0.71	0.61	0.64	1.66	3.18	1.06	0.76	0.84	1.20	1.07	2.11	1.30	1.26	1963
1964	0.63	0.59	0.69	1.60	1.83	1.00	0.64	0.56	0.52	0.50	0.73	1.10	0.87	1964
1965	1.00	0.60	0.82	1.12	1.49	0.90	0.44	0.42	0.49	0.78	0.87	0.77	0.81	1965
	ABOVE WATER LEVELS REFERRED TO ASSUMED DATUM													
1966	0.969	1.003	1.444	2.227	2.300	---	---	---	---	---	1.520	---	---	1966
1967	---	---	---	1.546	3.072	1.683	1.189	0.980	1.380	1.755	1.318	1.593	---	1967
1968	---	1.414	1.359	2.065	1.918	1.074	---	0.807	0.739	0.847	1.171	1.374	---	1968
1969	1.010	1.015	1.062	2.188	3.360	1.714	1.150	1.176	---	1.172	1.803	1.725	---	1969
1970	1.327	1.691	1.133	1.835	2.997	1.700	1.247	---	---	---	---	1.230	---	1970
1971	---	1.363	---	2.177	---	---	1.001	0.984	1.241	1.121	1.093	1.024	---	1971
1972	1.052	0.961	1.250	1.807	3.803	2.141	1.374	1.256	1.225	1.413	1.761	1.553	1.636	1972
1973	1.368	1.727	1.830	2.946	3.622	1.844	1.514	1.355	1.034	0.948	0.989	1.945	1.761	1973
1974	1.523	1.202	1.492	2.027	3.676	1.861	1.338	0.986	0.957	1.137	1.047	1.632	1.577	1974
1975	1.158	1.018	1.208	1.977	3.199	1.936	1.071	0.958	0.914	1.033	1.529	1.490	1.460	1975
1976	1.272	1.867	1.514	3.433	3.009	1.592	1.540	1.725	1.366	1.826	1.822	1.263	1.850	1976
1977	1.271	1.112	1.370	2.869	3.078	2.214	1.398	1.119	1.096	2.233	1.645	1.399	1.736	1977
1978	---	---	---	2.193	3.214	1.532	1.158	0.910	0.876	0.975	0.985	0.943	---	1978
1979	1.579	1.475	2.339	2.967	3.075	1.969	1.091	1.134	1.445	1.403	1.573	1.351	1.784	1979
1980	1.277	0.970	1.083	2.385	2.087	1.185	1.270	1.325	1.147	1.607	1.437	1.589	1.448	1980
1981	1.130	1.776	1.833	2.805	2.121	1.747	1.350	1.771	1.362	1.896	2.102	1.875	1.812	1981
1982	---	---	1.140	2.441	2.836	1.295	1.096	1.069	1.289	1.164	1.566	1.595	---	1982
1983	1.346	1.250	---	2.757	2.978	1.917	1.144	1.039	0.923	0.995	---	---	---	1983
1984	---	1.404	1.456	2.831	3.383	2.343	2.014	1.259	0.976	0.885	1.071	1.101	---	1984
1985	1.024	0.963	1.152	1.794	2.414	1.698	1.397	1.082	0.841	0.906	1.162	1.079	1.294	1985
1986	1.126	1.516	1.143	2.065	2.028	1.451	1.195	1.396	1.366	1.335	1.184	1.365	1.495	1986
1987	1.111	0.945	0.992	2.268	1.386	1.162	1.072	0.932	0.976	1.176	1.268	1.551	1.319	1987
1988	1.005	1.109	1.158	2.612	---	1.108	1.089	1.070	1.050	1.117	1.777	1.276	---	1988
1989	0.958	0.914	0.937	2.381	2.757	---	---	---	---	0.974	1.459	---	---	1989
1990	1.070	1.289	1.401	2.513	2.531	1.568	1.150	1.282	1.027	---	---	2.057	---	1990

ABOVE WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 31 11 N
LONG 066 04 44 W REGULATED

WATER LEVELS FOR THE PERIOD-OF-RECORD ARE REFERRED TO SEVERAL UNRELATED DATUMS

SAINT JOHN RIVER AT OAK POINT - STATION NO. 01AP003

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1923	---	5.09 ON MAY 08	0.00 ON JAN 01	1923
1924	---	3.29 ON MAY 20	0.00 ON FEB 18	1924
1925	---	2.32 ON MAY 10	0.00 ON JAN 16	1925
1926	---	3.69 ON MAY 13	0.03 ON SEP 07	1926
1927	---	---	---	1927
1928	---	2.78 ON MAY 15	0.06 ON MAR 14	1928
1929	---	3.29 ON MAY 11	-0.06 ON SEP 16	1929
1930	---	2.93 ON MAY 12	0.06 ON DEC 29	1930
1931	---	3.14 ON APR 08	0.00 ON JAN 29	1931
1932	---	3.29 ON APR 19	0.28 ON FEB 25	1932
1933	---	3.39 ON MAY 09	0.06 ON AUG 24	1933
1934	---	4.91 ON APR 26	0.03 ON JAN 05	1934
1935	---	3.54 ON MAY 03	0.03 ON SEP 03	1935
1936	---	4.33 ON MAR 26	0.16 ON MAR 11	1936
1937	---	2.59 ON MAY 09	0.22 ON JUL 28	1937
1938	---	2.65 ON MAY 03	0.31 ON JAN 06	1938
1939	---	3.72 ON MAY 15	0.31 ON JAN 23	1939
1940	---	3.26 ON MAY 09	0.19 ON FEB 15	1940
1941	---	3.51 ON APR 26	0.22 ON JAN 31	1941
1942	---	3.93 ON MAY 08	0.09 ON SEP 12	1942
1943	---	2.08 ON MAY 22	0.03 ON JAN 23	1943
1944	---	2.32 ON MAY 14	0.03 ON FEB 13	1944
1945	---	3.63 ON APR 17	0.22 ON AUG 24	1945
1946	---	3.23 ON MAY 03	0.06 ON OCT 03	1946
1947	---	3.78 ON MAY 13	0.16 ON OCT 05	1947
1948	---	2.78 ON MAY 22	0.03 ON FEB 16	1948
1949	---	2.50 ON APR 20	0.16 ON SEP 13	1949
1950	---	---	---	1950
1951	---	---	---	1951
1952	---	---	---	1952
1953	---	---	---	1953
1954	---	---	---	1954
1955	---	---	---	1955
1956	---	---	---	1956
1957	---	---	---	1957
1958	---	---	---	1958
1959	---	---	---	1959
1960	---	---	---	1960
1961	---	4.27 ON MAY 19	0.19 ON FEB 20	1961
1962	---	2.32 ON APR 03	0.43 ON FEB 24	1962
1963	---	4.09 ON MAY 07	0.46 ON FEB 17	1963
1964	---	2.75 ON APR 23	0.28 ON SEP 23	1964
1965	---	1.77 ON MAY 10	0.16 ON AUG 13	1965

ABOVE WATER LEVELS REFERRED TO ASSUMED DATUM

1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	3.877 AT 0140 AST ON MAY 06	3.783 ON MAY 07	0.811 ON DEC 22	1970
1971	3.923 AT 0300 AST ON MAY 10	3.840 ON MAY 09	0.765 ON AUG 02	1971
1972	4.581 AT 0925 AST ON MAY 19	4.517 ON MAY 19	0.713A ON FEB 10	1972
1973	5.739 AT 0348 AST ON MAY 03	5.651 ON MAY 02	0.733 ON OCT 08	1973
1974	4.417 AT 0328 AST ON MAY 06	4.325 ON MAY 06	0.756E ON SEP 12	1974
1975	3.862 AT 0509 AST ON MAY 15	3.749 ON MAY 15	0.698 ON AUG 30	1975
1976	4.072 AT 1041 AST ON APR 09	4.023 ON APR 09	0.972 ON JAN 12	1976
1977	4.154 AT 2323 AST ON APR 29	4.097 ON APR 30	0.792 ON SEP 10	1977
1978	3.847 AT 0845 AST ON MAY 01	3.749 ON MAY 01	0.698 ON SEP 30	1978
1979	4.740 AT 2038 AST ON MAY 03	4.690 ON MAY 03	0.894 ON AUG 05	1979
1980	3.417 AT 0328 AST ON APR 17	3.206 ON APR 17	0.689 ON MAR 13	1980
1981	3.742 AT 0622 AST ON APR 10	3.622 ON APR 12	0.867 ON FEB 01	1981
1982	4.243 AT 0840 AST ON MAY 01	---	---	1982
1983	4.477 AT 1554 AST ON APR 29	4.402 ON APR 29	0.781 ON SEP 19	1983
1984	4.528 AT 0426 AST ON MAY 05	4.460 ON MAY 05	0.755 ON NOV 04	1984
1985	3.108 AT 0323 AST ON MAY 07	2.860 ON MAY 07	0.674 ON NOV 05	1985
1986	3.677 AT 0344 AST ON APR 27	3.433 ON APR 27	0.798 ON JAN 19	1986
1987	4.402 AT 0954 AST ON APR 08	4.350 ON APR 08	0.738 ON MAR 12	1987
1988	3.148 AT 0341 AST ON APR 19	2.919 ON APR 19	0.751 ON JAN 14	1988
1989	3.617 AT 0330 AST ON MAY 08	3.470 ON MAY 09	0.729 ON MAR 04	1989
1990	3.342 AT 0835 AST ON MAY 02	3.229 ON MAY 01	0.857 ON JAN 21	1990

ABOVE WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE E - ESTIMATED
(SEE REFERENCE INDEX)

WATER LEVELS FOR THE PERIOD-OF-RECORD ARE REFERRED TO SEVERAL UNRELATED DATUMS

SAINT JOHN RIVER AT OROMOCTO - STATION NO. 01AO001

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	3.27	1.31	1.81	---	---	1.37	---	---	---	1918
1919	---	---	---	---	3.91	1.33	0.57	0.56	0.64	0.67	---	---	---	1919
1920	---	---	---	---	3.73	1.24	1.24	0.67	1.15	1.81	---	---	---	1920
1921	0.92	0.53	1.69	3.56	2.19	0.62	0.42	0.56	0.46	0.92	0.98	0.86	1.14	1921
1922	0.49	0.39	1.11	2.68	2.01	2.10	1.70	0.64	0.57	0.50	0.56	0.43	1.10	1922
1923	0.47	0.33	0.36	1.71	4.15	1.03	0.46	---	0.28	0.40	1.09	1.55	---	1923
1924	0.73	0.53	0.54	1.56	4.35	1.45	0.52	0.41	0.56	0.46	0.47	0.65	1.02	1924
1925	0.37	0.52	1.24	2.71	---	1.06	0.73	0.57	0.49	1.75	2.35	1.52	---	1925
1926	0.69	0.56	0.45	1.19	4.51	1.91	0.73	0.46	0.51	1.21	1.99	1.25	1.29	1926
1927	0.74	0.59	0.75	1.35	5.60	2.10	0.87	0.99	0.75	0.70	2.43	2.76	1.51	1927
1928	1.52	0.83	0.69	2.97	5.87	2.03	0.92	0.85	0.58	0.78	1.08	0.97	1.43	1928
1929	1.06	0.66	0.72	2.41	3.77	1.57	0.87	0.49	0.36	0.58	0.75	0.45	1.14	1929
1930	0.89	0.71	1.46	2.76	3.38	1.66	1.26	0.92	0.66	0.51	0.55	---	---	1930
1931	0.45	0.41	0.59	1.05	1.94	1.40	0.78	0.51	0.60	1.35	1.60	0.66	1.11	1931
1932	1.13	0.77	0.68	1.70	2.71	1.19	1.04	0.95	1.01	1.44	1.94	1.05	1.47	1932
1933	0.669	0.624	0.638	2.752	3.620	1.623	0.931	0.454	0.575	1.086	1.149	---	---	1933
1934	---	0.619	0.868	4.003	3.470	---	---	---	---	0.523	---	1.330	---	1934
1935	0.841	---	0.628	2.815	3.070	1.782	---	---	0.362	0.548	0.680	0.970	---	1935
1936	0.896	0.604	3.015	3.184	3.358	1.763	---	---	0.649	---	1.437	1.359	---	1936
1937	---	---	---	2.308	---	---	---	---	---	---	1.815	1.326	---	1937
1938	---	0.883	0.942	2.808	3.040	1.176	1.497	0.965	1.217	---	---	2.274	---	1938
1939	---	0.659	---	1.841	3.983	1.576	1.091	1.443	0.825	1.247	1.712	---	---	1939
1940	0.693	---	---	---	3.545	1.884	1.517	0.588	0.876	---	1.738	---	---	1940
1941	---	0.714	---	3.004	2.646	1.132	1.394	0.767	0.875	1.386	1.836	1.030	---	1941
1942	1.038	0.685	1.139	2.529	3.569	1.774	0.929	---	---	---	0.753	0.622	---	1942
1943	---	0.466	0.681	1.272	4.009	2.044	1.023	0.970	0.808	1.188	2.399	0.814	---	1943
1944	0.432	0.312	0.389	1.219	2.677	1.009	0.703	0.545	0.621	1.639	1.884	0.954	1.034	1944
1945	1.131	---	1.299	4.226	3.127	1.568	1.405	0.746	0.728	1.296	1.374	0.893	---	1945
1946	0.756	---	1.528	2.558	3.950	1.325	---	0.571	0.486	0.616	0.814	0.953	---	1946
1947	0.763	1.270	1.129	2.454	4.716	2.796	1.269	0.950	0.563	---	0.536	0.453	---	1947
1948	---	---	---	---	3.273	1.596	0.777	---	0.424	---	1.546	1.457	---	1948
1949	1.412	0.727	---	---	---	---	---	---	---	---	---	---	---	1949
MEAN	0.822	0.624	0.980	2.601	3.395	1.553	1.018	0.721	0.653	1.028	1.364	1.108	1.224	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 45 51 20 N
LONG 066 28 20 W NATURAL FLOW

SAINT JOHN RIVER AT OROMOCTO - STATION NO. 01AO001

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1918	---	---	---	1918
1919	---	---	---	1919
1920	---	---	---	1920
1921	---	4.15 ON APR 02	0.31 ON JUL 30	1921
1922	---	4.64 ON JUN 24	0.22 ON DEC 30	1922
1923	---	---	---	1923
1924	---	5.04 ON MAY 07	0.22 ON NOV 17	1924
1925	---	---	---	1925
1926	---	4.97 ON MAY 09	0.31 ON MAR 03	1926
1927	---	4.73 ON APR 25	0.34 ON OCT 05	1927
1928	---	4.58 ON MAY 10	0.43 ON OCT 14	1928
1929	---	4.85 ON MAY 08	0.25 ON SEP 11	1929
1930	---	---	---	1930
1931	---	3.48 ON APR 05	0.25 ON JAN 26	1931
1932	---	4.79 ON APR 10	0.49 ON FEB 21	1932
1933	---	5.070 ON MAY 06 *	0.190 ON AUG 23	1933
1934	---	---	---	1934
1935	---	---	---	1935
1936	---	---	---	1936
1937	---	---	---	1937
1938	---	---	---	1938
1939	---	---	---	1939
1940	---	---	---	1940
1941	---	---	---	1941
1942	---	---	---	1942
1943	---	---	---	1943
1944	---	3.749 ON MAY 09	0.000 ON MAR 18 *	1944
1945	---	---	---	1945
1946	---	---	---	1946
1947	---	---	---	1947
1948	---	---	---	1948
1949	---	---	---	1949

WATER LEVELS REFERRED TO ASSUMED DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT SAINT JOHN - STATION NO. 01AP005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	0.995	---	---	1.449	---	1.543	1.061	0.843	1.235	1.649	1.238	1.456	---	1967
1968	---	---	---	2.885	---	---	0.856	0.687	0.681	---	1.167	1.305	---	1968
1969	---	---	1.014	2.086	3.188	1.625	---	---	1.339	---	---	1.654	---	1969
1970	1.237	---	1.033	---	2.856	1.612	1.191	1.064	1.095	---	---	---	---	1970
1971	---	---	1.283	2.316	3.096	1.310	---	0.941	1.205	1.117	1.088	1.030	---	1971
1972	1.125	0.967	1.126	1.737	3.650	2.039	1.349	1.193	1.183	1.360	1.867	1.493	1.593	1972
1973	1.311	1.652	1.763	2.696	3.496	1.799	1.431	1.312	0.989	0.935	0.955	1.863	1.685	1973
1974	1.457	1.126	1.377	1.954	3.498	1.713	1.298	0.949	0.900	1.072	1.054	1.612	1.505	1974
1975	1.108	0.946	1.104	1.876	3.035	1.821	0.949	0.783	0.765	0.953	1.413	1.368	1.345	1975
1976	1.155	1.745	1.427	2.323	2.898	2.514	1.451	1.649	1.320	1.762	1.775	1.201	1.766	1976
1977	1.166	1.004	1.270	2.770	4.983	2.127	1.324	1.068	1.075	2.155	1.581	1.343	1.658	1977
1978	---	---	---	---	3.063	1.459	1.079	0.861	0.847	0.942	0.949	0.952	---	1978
1979	1.565	1.423	2.223	2.850	2.958	1.919	1.071	1.105	1.390	1.380	1.545	1.322	1.729	1979
1980	1.216	0.918	1.032	2.290	2.009	1.090	1.113	1.179	0.986	1.487	1.456	1.596	1.386	1980
1981	1.094	---	---	2.701	2.041	---	1.302	1.705	1.387	1.842	2.040	1.827	---	1981
1982	1.224	1.047	1.062	2.359	2.775	1.249	1.071	1.051	1.242	1.132	---	---	---	1982
1983	---	1.146	1.603	2.679	2.734	1.832	1.120	1.004	---	0.982	1.630	---	---	1983
1984	---	---	1.382	2.717	3.240	2.292	1.879	1.129	0.848	0.766	0.907	---	---	1984
1985	---	---	1.091	1.700	2.278	1.604	1.297	1.033	---	0.887	1.122	---	---	1985
1986	---	1.457	1.135	2.753	1.949	1.332	1.145	1.347	1.302	---	1.136	1.296	---	1986
1987	1.078	0.871	0.930	3.147	1.340	1.123	1.042	0.915	0.962	1.142	1.243	1.549	1.278	1987
1988	1.001	1.080	1.116	2.516	1.875	1.099	1.045	1.045	1.013	1.094	1.721	1.239	1.319	1988
1989	0.912	0.844	0.893	2.280	2.590	1.437	0.931	1.157	0.968	0.920	1.387	1.033	1.280	1989
1990	---	1.263	1.352	2.453	2.473	1.558	1.127	1.250	1.010	1.774	2.051	1.985	---	1990
MEAN	1.176	1.166	1.261	2.434	2.728	1.595	1.188	1.099	1.079	1.267	1.396	1.428	1.502	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 16 27 N
LONG 066 05 21 W REGULATED

SAINT JOHN RIVER AT SAINT JOHN - STATION NO. 01AP005

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL		MAXIMUM DAILY WATER LEVEL		MINIMUM DAILY WATER LEVEL		YEAR
1967	---		---		---		1967
1968	---		---		---		1968
1969	---		---		---		1969
1970	3.731 AT 0146 AST ON MAY 07		3.542 ON MAY 06		---		1970
1971	3.847 AT 0007 AST ON MAY 10		3.694 ON MAY 09		---		1971
1972	---		4.368E ON MAY 18		0.658 ON MAR 12		1972
1973	5.310 AT 0006 AST ON MAY 03 *		5.188 ON MAY 03 *		0.732 ON OCT 08		1973
1974	4.307 AT 0018 AST ON MAY 06		4.145 ON MAY 05		0.738 ON SEP 12		1974
1975	3.749A AT 0233 AST ON MAY 15		3.557A ON MAY 15		0.469E ON SEP 02 *		1975
1976	3.950 AT 0657 AST ON APR 09		3.850 ON APR 09		0.863A ON JAN 12		1976
1977	4.109 AT 0003 AST ON MAY 04		3.956 ON APR 30		0.738 ON SEP 10		1977
1978	3.725 AT 2033 AST ON MAY 01		3.572 ON MAY 01		0.658 ON SEP 27		1978
1979	4.542 AT 1800 AST ON MAY 03		4.479 ON MAY 03		0.859 ON AUG 05		1979
1980	3.341 AT 0223 AST ON APR 17		3.099 ON APR 17		0.642 ON MAR 13		1980
1981	3.665 AT 0412 AST ON APR 10		3.508 ON APR 12		0.822 ON FEB 01		1981
1982	4.145 AT 0537 AST ON MAY 01		---		---		1982
1983	4.431 AT 0221 AST ON APR 30		4.313 ON APR 30		0.722A ON SEP 15		1983
1984	---		4.280 ON MAY 05		0.621 ON NOV 02		1984
1985	2.941 AT 0227 AST ON MAY 07		2.705 ON MAY 07		0.680 ON FEB 04		1985
1986	3.530 AT 0213 AST ON APR 27		3.334 ON APR 27		0.753 ON JAN 19		1986
1987	4.264 AT 0839 AST ON APR 08		4.191 ON APR 08		0.658 ON MAR 12		1987
1988	3.040 AT 0211 AST ON APR 19		2.784 ON APR 20		0.752 ON JAN 14		1988
1989	3.479 AT 0311 AST ON MAY 09		3.281 ON MAY 09		0.652 ON MAR 04		1989
1990	3.298 AT 0621 AST ON MAY 02		3.138 ON MAY 02		0.853 ON FEB 21		1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT SIMONDS - STATION NO. 01AJ009

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	44.202	43.367	43.221	---	---	42.394	---	---	42.475	43.058	42.637	---	---	1980
1981	---	44.937	---	---	---	---	---	43.629	42.769	43.734	43.474	42.972	---	1981
1982	---	---	43.985	45.245	44.710	42.557	42.210	42.181	42.648	---	---	---	---	1982
1983	45.219	44.659	44.725	45.309	44.700	43.450	42.374	42.166	42.188	42.312	43.433	44.301	43.732	1983
1984	44.382	43.674	43.591	45.358	45.290	43.973	43.626	42.598	42.180	42.058	42.387	42.718	43.485	1984
1985	43.424	42.839	42.891	43.956	44.199	42.859	42.905	42.382	42.039	42.210	42.442	43.310	42.957	1985
1986	43.559	45.692	44.441	45.322	43.695	42.845	42.748	43.184	43.058	42.914	42.708	44.505	43.709	1986
1987	---	---	43.247	45.084	42.668	42.493	42.432	42.196	42.284	42.551	42.752	---	---	1987
1988	43.324	42.909	42.872	44.781	43.715	42.368	42.544	42.448	---	42.511	43.358	43.824	---	1988
1989	43.485	42.998	42.877	44.505	44.671	43.036	42.142	42.483	---	---	42.810	---	---	1989
1990	---	---	---	44.696	44.174	42.985	---	42.610	42.290	44.111	43.672	43.724	---	1990
MEAN	43.942	43.884	43.537	44.917	44.202	42.896	42.623	42.590	42.437	42.829	42.967	43.622	43.471	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 20 15 N DRAINAGE AREA, 35 000 km²
LONG 067 33 19 W REGULATED

SAINT JOHN RIVER AT SIMONDS - STATION NO. 01AJ009

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	46.053 AT 0302 AST ON APR 15	---	---	1980
1981	48.361 AT 1944 AST ON FEB 26	46.882 ON FEB 26	41.844 ON AUG 02	1981
1982	47.634 AT 1550 AST ON APR 28	---	---	1982
1983	48.100 AT 2223 AST ON APR 19	47.999 ON APR 19	41.874 ON JUL 03	1983
1984	47.496 AT 1548 AST ON MAY 02	47.423 ON MAY 02	41.800 ON NOV 05	1984
1985	46.124 AT 1116 AST ON APR 29	46.098 ON APR 29	41.805 ON SEP 24	1985
1986	51.159 AT 1822 AST ON APR 03 *	50.080 ON APR 03 *	42.190 ON NOV 22	1986
1987	49.264 AT 2123 AST ON MAR 31	48.106 ON APR 03	41.807 ON SEP 08	1987
1988	46.855 AT 1235 AST ON APR 03	45.689 ON APR 09	41.831 ON OCT 02	1988
1989	46.765 AT 1211 AST ON APR 07	45.961 ON MAY 04	---	1989
1990	46.591 AT 1514 AST ON APR 29	46.494 ON APR 29	41.799 ON JUL 22 *	1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT THE FALLS AT GRAND FALLS - STATION NO. 01AF008

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	101.640	101.783	---	---	---	---	---	---	---	---	---	---	1988
MEAN	---	101.640	101.783	---	---	---	---	---	---	---	---	---	---	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 47 03 05 N
LONG 067 44 19 W REGULATED

SAINT JOHN RIVER AT THE FALLS AT GRAND FALLS - STATION NO. 01AF008

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1988	---	---	---	1988

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SAINT JOHN RIVER AT WOODSTOCK - STATION NO. 01AJ002

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	---	---	---	---	---	4.216	---	---	1962
1963	3.841	3.314	3.097	3.729	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	---	---	---	---	---	2.156	2.110	2.508	3.322	---	1964
1965	---	3.205	3.272	3.347	4.032	2.992	---	2.108	2.598	3.168	3.024	2.750	---	1965
1966	3.025	3.049	3.704	4.677	4.633	---	2.106	1.791	---	2.670	3.504	---	---	1966
1967	2.618	---	2.619	---	5.276	3.302	---	2.460	---	3.784	---	---	---	1967
MEAN	3.161	3.189	3.173	3.918	4.647	3.147	2.106	2.120	2.377	2.933	3.313	3.036	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 46 09 23 N
LONG 067 34 25 W REGULATED

DATA CONTRIBUTED BY -
NEW BRUNSWICK ELECTRIC POWER COMMISSION

SAINT JOHN RIVER AT WOODSTOCK - STATION NO. 01AJ002

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	---	---	1964
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967

WATER LEVELS REFERRED TO ASSUMED DATUM

SAINT JOHN RIVER BELOW MACTAQUAC - STATION NO. 01AK004

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	---	---	---	---	---	4.032	4.520	---	1961
1962	4.786	---	---	---	---	4.345	4.329	4.293	3.898	3.838	5.330	4.512	---	1962
1963	4.441	4.371	4.342	6.002	7.125	4.083	3.848	4.203	4.677	---	5.827	5.630	---	1963
1964	---	---	4.418	5.745	5.346	4.087	3.831	---	3.538	3.526	3.836	5.771	---	1964
1965	---	---	6.029	5.607	4.707	3.863	---	---	3.513	3.942	3.901	4.043	---	1965
1966	3.986	4.030	4.999	5.538	5.153	3.788	3.257	---	3.022	3.595	4.258	4.238	---	1966
1967	4.193	3.929	3.885	4.574	5.988	4.091	3.518	3.437	4.257	4.472	3.439	---	---	1967
MEAN	4.352	4.110	4.735	5.493	5.664	4.043	3.757	3.978	3.818	3.875	4.375	4.786	---	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 57 44 N DRAINAGE AREA, 39 900 km²
LONG 066 49 51 W REGULATED

SAINT JOHN RIVER BELOW MACTAQUAC - STATION NO. 01AK004

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	---	---	1964
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SPEDNIC LAKE AT ST. CROIX - STATION NO. 01AR010

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	114.568	---	114.467	116.084	116.658	116.595	116.313	116.261	---	---	---	---	1967
1969	---	115.450	114.901	115.703	117.152	117.281	116.762	116.539	116.417	115.963	115.802	116.458	---	1969
1970	117.290	117.404	116.659	116.877	117.542	117.203	116.924	116.834	116.525	116.415	116.166	115.981	116.815	1970
1971	---	---	115.850	116.529	117.342	117.080	116.175	115.143	114.702	114.563	114.273	114.251	---	1971
1972	114.438	114.561	---	115.512	117.100	117.441	117.271	116.578	116.055	115.548	---	116.540	---	1972
1973	---	---	---	117.375	117.559	117.316	117.401	117.372	116.957	116.124	115.421	115.770	---	1973
1974	116.583	115.939	115.957	116.668	117.528	117.513	117.337	116.821	116.312	116.221	115.892	116.132	116.580	1974
1975	116.129	115.648	115.375	115.948	117.068	117.360	117.123	116.585	116.093	116.116	116.104	116.697	116.359	1975
1976	116.681	117.298	117.223	117.409	117.543	117.434	117.256	117.208	116.975	117.096	117.288	116.542	117.178	1976
1977	116.454	115.584	114.962	116.485	117.421	117.470	117.137	116.449	116.099	116.523	116.984	117.002	116.553	1977
1978	117.383	116.478	115.198	115.781	117.256	116.647	116.243	115.898	115.423	115.278	115.246	115.199	116.001	1978
1979	115.636	116.136	116.466	117.419	117.472	117.335	116.582	116.335	116.600	116.554	116.859	116.721	116.676	1979
1980	116.316	115.705	115.223	116.113	116.893	116.806	116.682	116.746	116.402	116.663	116.664	117.091	116.445	1980
1981	116.743	116.604	116.834	117.305	117.189	116.782	116.491	116.227	116.216	116.995	117.128	117.194	116.810	1981
1982	116.880	115.996	115.432	116.439	117.314	116.886	116.374	115.961	115.658	115.434	115.625	116.147	116.181	1982
1983	116.424	116.274	116.091	117.158	117.367	117.352	116.927	116.224	115.429	115.034	115.019	116.353	116.305	1983
1984	116.589	116.166	116.198	116.640	117.341	117.418	117.371	116.295	115.181	114.776	114.661	114.752	116.17[illegible]	1984
1985	114.810	114.756	115.034	115.652	116.057	116.277	116.479	116.367	115.806	115.169	115.060	115.288	115.568	1985
1986	114.948	115.335	114.906	116.009	116.941	117.129	116.745	116.349	116.156	115.414	115.288	115.627	115.906	1986
1987	115.321	114.865	114.707	116.321	116.882	116.875	116.833	116.554	116.282	116.346	116.007	116.374	116.121	1987
1988	116.124	115.542	115.142	116.302	117.057	116.924	116.743	116.459	116.173	115.760	116.137	116.536	116.245	1988
1989	115.834	115.237	115.013	116.230	117.401	117.518	117.053	116.529	115.841	115.173	115.391	115.775	116.088	1989
1990	115.651	115.907	115.798	117.019	117.433	117.272	117.237	116.784	116.299	115.812	116.393	117.155	116.567	1990
MEAN	116.128	115.783	115.648	116.407	117.171	117.129	116.858	116.460	116.081	115.863	115.877	116.163	116.362	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 34 09 N
LONG 067 25 41 W REGULATED SINCE 1967

NEW BRUNSWICK

SPEDNIC LAKE AT ST. CROIX - STATION NO. 01AR010

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL		MAXIMUM DAILY WATER LEVEL		MINIMUM DAILY WATER LEVEL		YEAR
1967	---		---		---		1967
1969	117.491 AT 1718 AST ON JUN 01		117.485 ON JUN 01		114.702 ON MAR 25		1969
1970	117.616 AT 0115 AST ON MAY 07		117.604 ON FEB 12		115.827 ON DEC 31		1970
1971	117.516 AT 1018 AST ON MAY 05		117.503 ON MAY 05		114.151 ON NOV 25	*	1971
1972	117.567 AT 1639 AST ON MAY 23		117.558 ON MAY 23		114.346 ON JAN 02		1972
1973	117.775 AT 1141 AST ON MAY 01	*	117.769 ON MAY 01	*	115.199 ON DEC 05		1973
1974	117.613 AT 0152 AST ON MAY 02		117.571 ON MAY 02		115.763 ON FEB 19		1974
1975	117.464 AT 1100 AST ON JUN 19		117.458 ON JUN 19		115.233 ON MAR 19		1975
1976	117.601 AT 1753 AST ON MAY 19		117.580 ON MAY 21		116.299 ON DEC 26		1976
1977	117.577 AT 1443 AST ON JUN 13		117.571 ON JUN 13		114.705 ON MAR 13		1977
1978	117.558 AT 0019 AST ON JAN 16		117.549 ON JAN 15		115.047 ON MAR 21		1978
1979	117.594 AT 1836 AST ON APR 30		117.588 ON APR 30		115.169A ON JAN 01		1979
1980	117.212 AT 0230 AST ON DEC 17		117.199 ON DEC 17		115.101 ON MAR 14		1980
1981	117.631 AT 0343 AST ON APR 15		117.535 ON APR 12		116.027 ON SEP 18		1981
1982	117.434 AT 0157 AST ON APR 30		117.427 ON APR 30		115.347 ON MAR 22		1982
1983	117.517 AT 2130 AST ON JUN 08		117.497 ON JUN 08		114.860 ON NOV 05		1983
1984	117.582 AT 1314 AST ON JUL 12		117.561 ON JUN 03		114.586 ON NOV 10		1984
1985	116.590 AT 1022 AST ON JUL 20		116.579 ON JUL 20		114.728 ON FEB 12		1985
1986	117.255 AT 1256 AST ON JUN 09		117.232 ON JUN 09		114.683 ON MAR 18		1986
1987	116.960 AT 1803 AST ON MAY 15		116.934 ON MAY 15		114.638 ON MAR 16		1987
1988	117.150 AT 1700 AST ON MAY 31		117.140 ON MAY 20		114.851 ON MAR 25		1988
1989	117.607 AT 0641 AST ON JUN 09		117.591 ON JUN 09		114.906 ON MAR 15		1989
1990	117.537 AT 1504 AST ON MAY 22		117.529 ON MAY 22		115.480 ON MAR 16		1990

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

KEJIMKUJIK LAKE - STATION NO. 01ED006

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	1.400	1.195	1.023	1.728	1.254	0.932	0.678	0.611	0.530	0.597	1.037	1.372	1.028	1969
1970	1.247	1.327	0.928	1.435	1.165	1.041	0.720	0.734	0.908	1.120	1.258	1.197	1.087	1970
1971	1.025	1.493	1.402	1.745	1.418	1.032	0.632	0.707	0.812	0.697	0.775	1.450	1.096	1971
1972	1.449	1.140	1.472	1.460	1.749	1.137	0.865	0.623	0.518	0.844	1.279	1.596	1.179	1972
1973	1.317	1.436	1.419	1.367	1.350	1.163	1.366	1.220	0.812	0.604	0.835	1.428	1.193	1973
1974	1.273	1.352	1.606	1.398	0.983	1.047	0.798	0.626	0.807	1.082	1.333	1.468	1.146	1974
1975	1.267	1.031	1.135	1.558	1.227	0.909	0.632	0.541	0.532	0.812	1.195	1.613	1.038	1975
1976	1.584	1.583	1.401	1.401	1.495	0.924	1.195	0.846	0.705	0.992	1.320	1.302	1.279	1976
1977	1.366	1.102	1.349	1.726	1.144	1.086	0.923	0.975	0.961	1.641	1.317	1.425	1.252	1977
1978	1.795	1.327	0.925	1.545	1.168	0.878	0.639	0.467	0.383	0.454	0.717	0.943	0.934	1978
1979	1.657	1.448	1.899	1.401	1.225	1.198	0.743	0.956	0.985	1.173	1.467	1.324	1.289	1979
1980	---	---	1.239	1.508	1.071	0.729	0.672	0.561	0.436	0.510	---	1.520	---	1980
1981	1.223	1.529	1.402	1.592	1.102	0.972	0.846	0.886	0.647	0.949	1.457	1.704	1.190	1981
1982	---	---	---	1.549	1.300	0.778	0.858	0.755	0.656	0.574	0.657	1.103	---	1982
1983	1.249	1.129	1.414	1.483	1.300	1.099	0.656	0.559	0.619	0.580	0.883	---	---	1983
1984	---	---	---	1.473	1.249	1.011	0.970	0.793	0.761	0.674	0.640	0.934	---	1984
1985	0.981	0.925	1.491	1.461	1.236	1.176	0.939	0.682	---	---	0.988	1.016	---	1985
1986	1.217	1.259	1.270	1.525	1.080	0.945	0.771	1.225	0.918	0.953	1.009	1.362	1.132	1986
1987	1.144	0.932	0.827	1.736	1.134	0.810	0.648	0.455	0.449	0.857	1.102	1.398	0.957	1987
1988	0.982	1.504	1.409	1.439	1.165	0.760	0.678	0.965	0.688	0.782	1.439	1.382	1.080	1988
1989	1.115	1.140	1.343	1.622	1.117	0.998	0.798	0.550	0.465	0.737	1.195	---	---	1989
1990	1.111	1.490	1.351	1.740	1.229	1.267	0.888	0.873	0.574	0.577	1.187	1.646	1.158	1990
MEAN	1.284	1.281	1.305	1.542	1.235	0.995	0.814	0.756	0.675	0.819	1.100	1.359	1.124	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 88.072 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 44 22 58 N
LONG 065 12 23 W NATURAL FLOW

KEJIMKUJIK LAKE - STATION NO. 01ED006

ANNUAL EXTREME OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1969	1.935 AT 2359 AST ON DEC 30	1.929 ON DEC 30	0.512 ON SEP 26	1969
1970	1.926 AT 0001 AST ON JAN 01	1.911 ON JAN 01	0.573 ON AUG 11	1970
1971	2.143 AT 1615 AST ON APR 19	2.143 ON APR 19	0.555 ON AUG 12	1971
1972	1.996 AT 0114 AST ON MAY 09	1.990 ON MAY 09	0.482 ON SEP 29	1972
1973	1.795 AT 2100 AST ON MAR 21	1.786 ON MAR 21	0.552 ON OCT 26	1973
1974	---	1.780 ON MAR 01	0.570 ON AUG 17	1974
1975	---	1.905E ON DEC 31	0.466 ON SEP 01	1975
1976	---	1.905E ON JAN 01	0.643 ON SEP 05	1976
1977	2.094 AT 0419 AST ON APR 10	2.085 ON APR 09	0.759 ON SEP 13	1977
1978	2.237 AT 0930 AST ON JAN 19	2.234 ON JAN 19	0.354 ON SEP 08 *	1978
1979	2.380 AT 1045 AST ON MAR 16 *	2.365 ON MAR 16 *	0.643 ON JUL 27	1979
1980	---	---	---	1980
1981	---	1.922 ON APR 09	0.592 ON SEP 23	1981
1982	---	---	---	1982
1983	1.822 AT 1541 AST ON MAR 25	1.819 ON MAR 25	0.503 ON AUG 30	1983
1984	---	1.836 ON MAR 23	0.619 ON OCT 28	1984
1985	---	1.836 ON MAR 18	0.541 ON OCT 14	1985
1986	1.931 AT 0535 AST ON MAR 25	1.922 ON MAR 25	0.670 ON JUL 27	1986
1987	---	2.220 ON APR 10	0.361 ON SEP 07	1987
1988	1.925 AT 1109 AST ON DEC 03	1.918 ON DEC 03	0.562 ON JUL 21	1988
1989	1.949 AT 1107 AST ON APR 10	1.937 ON APR 10	0.401 ON SEP 14	1989
1990	2.055 AT 0315 AST ON APR 16	2.050 ON APR 16	0.524 ON SEP 22	1990

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 88.072 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NAME	STATION NO.	PAGE
NEWFOUNDLAND		
CHURCHILL RIVER AT FOOT OF LOWER MUSKRAT FALLS	03OE007	1
CHURCHILL RIVER AT GRIZZLE RAPIDS	03OE008	1
CHURCHILL RIVER BELOW GULL ISLAND RAPIDS	03OE006	1
CHURCHILL RIVER BELOW LOWER MUSKRAT FALLS	03OE004	2
CHURCHILL RIVER BETWEEN UPPER AND LOWER MUSKRAT FALLS	03OE005	2
CORNER BROOK LAKE AT INTAKE HOUSE	02YL009	3
DEER LAKE NEAR GENERATING STATION	02YL007	3
DEER LAKE NEAR PASADENA	02YL006	3
GRAND LAKE AT MAIN DAM	02YK009	4
GRAND LAKE AT SOUTHWEST END	02YK010	4
MENIHEK LAKE AT MENIHEK RAPIDS GENERATING STATION	03OA002	5
NEW BRUNSWICK		
FRENCH LAKE AT LAKEVILLE CORNER	01AO010	6
GRAND FALLS FLOWAGE AT GRAND FALLS	01AR013	6
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GRAND LAKE AT NEWCASTLE CREEK	01AO003	8
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